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5043
Phone: 651-436-2930 Fax: 651-436-3918

January 23, 2012

Cynthia Carlson Heins
Real Estate Manager
Planning and Economic Development
Suite 1100, 25 West 4th Street
Saint Paul, MN 55102

RE: Asbestos Survey
771 Geranium Ave. E., St. Paul, MN
1596-12S-G

Dear Ms. Cynthia Carlson Heins:

AllPhase Companies, Incorporated, (AllPhase) performed an asbestos survey at the above referenced site in connection with a renovation in order to identify Asbestos-Containing Material (ACM), which is a building material that has greater than 1% asbestos. The following report contains the results of the survey performed at the above referenced site.

In summary, 22 samples of building materials were collected and analyzed for asbestos type and amount. Asbestos was detected above 1 percent in **three of the twenty-two samples**. These samples only represent building materials that were collected from the referenced building structure.

Three samples had detected asbestos above 0% and less then 1% asbestos—ceiling texture in the SE Room and stairwell.

Friable ACM, is defined by the Asbestos NESHAP, as any material containing more than one percent (1%) asbestos as determined using the method specified in Appendix A, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy (PLM), that, when dry, can be crumbled, pulverized or reduced to powder by hand pressure. (Sec. 61.141)

Nonfriable ACM is any material containing more than one percent (1%) asbestos as determined using the method specified in Appendix A, Supbart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy (PLM), that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure. EPA also defines two categories of nonfriable ACM, Category I and Category II nonfriable ACM, which are described later in this guidance.

"Regulated Asbestos-Containing Material" (RACM) is (a) friable asbestos material, (b) Category I nonfriable ACM that has become friable, (c) Category I nonfriable ACM that will be or has been subjected to sanding, grinding, cutting or abrading, or (d) Category II nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.

Refer to the asbestos Laboratory Report and chain of custody for other building materials tested and their locations. The following samples detected the presence of asbestos greater than 1%:

Friable - Pipe insulation (air cell) in south end of basement—25 lf observed
Friable - Pipe joint insulation (mag) in south end of basement
Friable - Ceiling texture in North Room of 2nd floor—135 sf

This survey is an attempt to identify ACM. However, there is no guarantee that all potential ACM was identified. As a rehabilitation, wall interiors were not assessed. If suspect ACM is discovered during the work and is not listed in this or previous limited surveys, work on that portion of the building should cease, the material wetted and covered, and an asbestos inspector brought to the site to sample and submit to a certified laboratory the sample to determine its asbestos content. Pending analytical results, an abatement crew should remove the ACM before work continues.

INTRODUCTION

The scope of our services was to conduct an asbestos survey, which includes collecting a small portion of the building materials and submitting the sample to a certified laboratory for analysis by PLM. Analysis only assesses the portion of building material collected and submitted.

A. Collect bulk samples of suspect ACMs for laboratory analysis.
B. Analyze the collected samples for asbestos content.

Minnesota requires surveys to be performed by a Minnesota Certified Inspector. This survey was conducted by David Jenkin ï Asbestos Inspector #AI8101.

Samples of suspect ACMs were collected by AllPhase by removing a small portion of the suspect material and then placing the individual samples into separate sealed containers.

DISCLAIMERS

Asbestos surveys do not necessarily succeed in identifying all locations and types of ACM on-site. This is because of the variety of locations and the inconsistency of asbestos occurrence in a given building material. Our survey is based solely upon the building materials that were observed and sampled for analysis. Therefore, if unsampled building materials are encountered during the demolition, they should be assessed on a material-by-material basis. If suspect ACM is observed which has not been listed in our evaluation, it should be collected and evaluated by a certified individual and laboratory, respectively. If there is a potential for that material to be ACM, work should stop until the question of asbestos content and/or abatement is resolved in a manner that protects human health and the environment and abides by regulatory guidelines.

Certain building materials are not considered suspect ACM and are not sampled as part of the survey. These materials include but are not limited to wood, concrete (with exceptions), plastics such as polyethylene, polystyrene and polyvinylchloride, fiberglass, rubber (natural and neopreneð black synthetic), foam insulation, metals and glass.

METHODOLOGY

Building materials were analyzed by a NVLAP-accredited laboratory, #101768-0. Laboratory analysis was conducted in accordance with Environmental Protection Agency (EPA) guidelines. The examination for the presence and identification of asbestos fibers in bulk samples is performed in the laboratory using cross-polarized light microscopy and dispersion-staining, particle-identification techniques. Analysis was performed in accordance with EPA 600/M4-82-020 and EPA 600/R-93/116 where applicable. This methodology determines the presence of asbestos varieties, which include Chrysotile, Amosite, Crocidolite, Anthophyllite, Tremolite and Actinolite.

REMARKS

Some of the rules and regulations set by the Environmental Protection Agency (EPA) may apply when the

existence of ACMs is confirmed. A complete review of these rules can be found in Part 3 of the Federal Register EPA, 40 CFR Part 61. Summaries of these rules are as follows:

> According to §61.145 of NESHAPS, friable ACMs must be removed from the site prior to demolition. This includes materials that were originally non-friable but have become friableð that is, Category I & II materialð due to damage or deteriorationð for example, floor tile that has significant chipping or cracking. The necessity for the removal of Category I and II material is evaluated on a site-by-site basis.
>
> Disturbing ACM may require that the Minnesota Pollution Control Agency and/or the Minnesota Department of Health be notified prior to activities with asbestos.

The environmental services performed by AllPhase's survey crew and analyst for this project have been conducted in a manner consistent with the degree of care and technical skill exercised by environmental professionals currently practicing in this area under similar budget and time constraints. Recommendations contained in this report represent our professional judgment at the time the project was performed. No other warranty is intended or implied.

David Jenkin, P.G.
Asbestos Inspector (#AI8101)

DEPARTMENT OF SAFETY AND INSPECTIONS
Ricardo X. Cervantes, Director

CITY OF SAINT PAUL
Christopher B. Coleman, Mayor

375 Jackson Street, Suite 220
Saint Paul, Minnesota 55101-1806

Telephone: 651-266-8989
Facsimile: 651-266-9124
Web: www.stpaul.gov/dsi

Code Compliance Report

March 26, 2012

Housing and Redevelopment
25 W 4th St Ste 1300
St Paul MN 55102

Re: 771 Geranium Ave E
File#: 11 254418 VB2

Dear Property Owner:

The following is the Code Compliance report you requested on February 13, 2012.

Please be advised that this report is accurate and correct as of the date March 26, 2012. All deficiencies identified by the City after this date must also be corrected and all codes and ordinances must be complied with. This report is valid for 365 days from March 26, 2012. This report may be used in lieu of a Truth in Housing Report required in St Paul Legislative Code 189. This building must be properly secured and the property maintained at all times.

In order to sell or reoccupy this property the following deficiencies must be corrected:

BUILDING Inspector: Jim Seeger Phone: 651-266-9046

- Cover water meter pit with concrete or decay resistant, screwed-down cover. Cleanouts to be flush with floor slab.
- Install handrails (34 inches - 38 inches above each nosing) and guardrails (36 inch minimum) at all stairways, and return hand rail ends into a newel post or wall per attachment.
- Repair or Replace any deteriorated window sash, broken glass, sash holders, re-putty, etc as necessary.
- Provide complete storms and screens, in good repair for all door and window openings.
- Exit doors shall be capable of being opened from the inside, easily and without the use of a key. Remove all surface bolts.
- Repair or replace damaged doors and frames as necessary, including storm doors.
- Weather seal exterior doors, threshold and weather-stripping.
- Repair walls, ceiling and floors throughout, as necessary.
- Prepare and paint interior and exterior as necessary. Observe necessary abatement procedures (EPA, MPCA and St. Paul Legislative Code, Chapter 34 for additional information) if lead base paint is present.
- Air-seal and insulate attic/access door.

BUILDING Inspector: Jim Seeger Phone: 651-266-9046

- Install Smoke Detectors/Carbon Monoxide Detectors per MN Conservation Code and the MN Dept. of Labor and Industry: Install per code where feasible.
- Provide major clean-up of premises.
- Repair siding, soffit, fascia, trim, etc. as necessary.
- Provide proper drainage around house to direct water away from foundation of house.
- Provide proper drainage around house to direct water away from foundation of garage.
- Install downspouts and a complete gutter system.
- Install rain leaders to direct drainage away from foundation.
- Provide general rehabilitation of garage.
- Install address numbers visible from street and on the alley side of garage.
- Review all applicable codes & policies when replacing windows including egress windows for sleeping rooms.
- Openings in stair risers must be less than 4 inches.
- Grade must drain away from foundation of dwelling. Maintain 6 inch clearance between wood and soil.
- Properly install roof flashing at junction with siding.
- Rebuild and repair fence as needed or remove.
- Install 1 hour fire rated wall at east garage wall.
- Re frame basement stair headroom and add double header joist at stairs.
- A building permit is required to correct the above deficiencies.

ELECTRICAL Inspector: Dan Moynihan Phone: 651-266-9036

- Ground the electrical service to the water service with a copper conductor within 5 feet of the entrance point of the water service
- Bond around water meter with a copper wire sized for the electrical service per Article 250 of the NEC
- Properly strap cables and conduits in basement.
- Install globe-type enclosed light fixture on all closet lights
- Remove all cord wiring, kitchen sink light.
- Repair or Replace all broken, missing or loose light fixtures, switches and outlets, covers and plates
- Check all outlets for proper polarity and verify ground on 3-prong outlets. No power at time of inspection.
- Install hard-wired, battery backup smoke detector per bulletin 80-1 and other smoke detectors as required by the IRC. Also, Install carbon monoxide detector(s) within 10 feet of all bedrooms
- Install exterior lights at side entry doors
- Remove and or/ re-wire all illegal, improper or hazardous wiring in basement/garage. No access.
- Add a receptacle in the first floor dining room, living room and second floor front bedroom ARC Fault.
- Based on repair list purchase permit for 7 circuits.

ELECTRICAL Inspector: Dan Moynihan Phone: 651-266-9036

- All added receptacles must be grounded, tamper-resistant and be on an Arc-Fault Circuit Interrupter-protected circuit.
- Any open walls or walls that are opened as part of this project must be wired to the standards of the current NEC.
- All buildings on the property must meet the St. Paul Property Maintenance Code (Bulletin 80-1).
- All electrical work must be done by a Minnesota-licensed electrical contractor under an electrical permit.

PLUMBING Inspector: Rick Jacobs Phone: 651-266-9054

- Basement - Water Heater - No gas shut off or gas piping incorrect (IFGC 402.1)
- Basement - Water Heater - not fired or in service (MPC 2180)
- Basement - Water Meter - corroded piping; incorrect piping (MPC 0200 0.)
- Basement - Water Meter - meter is removed or not in service (MPC 4715.1700)
- Basement - Water Meter - meter needs repair or is broken
- Basement - Water Meter - raise meter to a minimum 12 inches above floor (MPC 2280)
- Basement - Water Meter - remove meter from pit (MPC 88.08)
- Basement - Water Meter - service valves not functional or correct (MPC 1800 Subp 3,4)
- Basement - Water Meter - support meter properly (MPC 2280)
- Basement - Water Piping - add appropriate hangers (MPC 1430 Subp. 4)
- Basement - Water Piping - improper fittings or usage (MPC 0420)
- Basement - Water Piping - improper piping or usage (MPC 0520)
- Basement - Water Piping - pipe sizing incorrect (MPC 4715.1730)
- Basement - Water Piping - provide water piping to all fixtures and appliances (MPC 1700)
- Basement - Water Piping - repair or replace all corroded, broken or leaking piping (MPC 4715.1720)
- Basement - Water Piping - run 1 inch water line from meter to first major take off (SPRWS Water Code)
- Basement - Water piping - remove black pipe to lawn hydrants
- Basement - Gas Piping - dryer gas shutoff; connector or piping incorrect (IFGC 402.1)
- Basement - Gas Piping - run dryer vent to code (IFGC 613.1 - IMC 604.1)
- Basement - Soil and Waste Piping - improper connections, transitions, fittings or pipe usage (MPC 2420)
- Basement - Soil and Waste Piping - no soil stack base clean out
- Basement - Laundry Tub - unvented (MPC 0200 E)
- Basement - Laundry Tub - waste incorrect (MPC 2300)
- Basement - Laundry Tub - water piping incorrect (MPC 0200 P.)
- Basement - Toilet Facilities - unvented (MPC 0200. E)
- Basement - Toilet Facilities - waste incorrect (MPC 2300)
- First Floor - Gas Piping - range gas shut off; connector or piping incorrect (IFGC 411 1.3.3)
- First Floor - Sink - fixture is broken or parts missing (MPC 0200 0.)
- First Floor - Sink - unvented (MPC 0200. E)

PLUMBING Inspector: Rick Jacobs Phone: 651-266-9054

- First Floor - Sink - waste incorrect (MPC 2300)
- Second Floor - Lavatory - waste incorrect (MPC 2300)
- Second Floor - Toilet Facilities - waste incorrect (MPC 2300) also reset toilet to floor.
- Second Floor - Tub and Shower - faucet is missing, broken or parts missing (MPC 0200. P.)
- Second Floor - Tub and Shower - provide stopper (MPC 1240)
- Second Floor - Tub and Shower - replace waste and overflow (MPC 1240)
- Comments: - Run water distribution from water meter overhead and omit the underground lead distribution piping.
- Exterior - Lawn Hydrants - Requires backflow assembly or device (MPC 2000)
- Exterior - Rain Leader - Not properly plugged or capped off
- Obtain plumbing permits prior to commencement of work.

HEATING Inspector: Maureen Hanson Phone: 651-266-9043

- Install approved level handle manual gas shutoff valve on boiler and remove unapproved valve
- Clean and Orsat test boiler burner. Check all controls for proper operation. Provide documentation from a licensed contractor that the heating unit is safe
- Vent clothes dryer to code
- Provide adequate combustion air and support duct to code
- Provide support for gas lines to code
- Plug, cap and/or remove all disconnected gas lines
- Provide a window in the bathrooms with an aggregate glazing area of not less than 3 square feet, one-half of which must be openable or provide exhaust system vented to outside. A mechanical ventilation permit is required if an exhaust system is installed.
- Provide heat in every habitable room and bathrooms
- Support supply and return piping from heating system according to code
- Install Extrol compression tank according to manufacturer's installation instructions.
- Install isolation valves on the boiler supply and return piping.
- Repair or replace radiator valves as needed
- Mechanical gas and hydronic permits are required for the above work.

ZONING

1. This property is in a(n) RT1 zoning district.
2. This property was inspected as a Single Family Dwelling.

Notes:

- See attachment for permit requirements and appeals procedure.
- Roof, sidewalks, etc. snow covered and could not be inspected. All must meet appropriate codes when completed.
- Interior of garage not available for inspection. Repair per applicable codes.

This is a registered vacant building. In order to sell or reoccupy this building, all deficiencies listed on this code compliance report must be corrected in accordance with the Minimum Housing Standards of the St. Paul Legislative Code (Chapter 34) and all required permits must receive final approval within six (6) months of the date of this report. One (1) six-month time extension may be requested by the owner and will be considered if it can be shown that the code compliance work is proceeding and is more than fifty (50) percent complete in accordance with Legislative Code Section 33.03(f).

You may file an appeal to this notice by contacting the City Clerk's Office at 651-266-8688. Any appeal must be made in writing within 10 days of this notice. (You must submit a copy of this notice when you appeal, and pay a filing fee.)

If you have any questions regarding this inspection report, please contact Jim Seeger between 7:30 - 9:00 AM at 651-266-9046 or leave a voice mail message.

Sincerely,

James L. Seeger
Code Compliance Officer
Department of Safety and Inspections
City of Saint Paul
375 Jackson Street, Suite 220
Saint Paul MN 55101
Phone: 651-266-9046
Email: james.seeger@ci.stpaul.mn.us

JLS:ml
Attachments

Home Energy Rating Certificate

771 Geramin

Saint Paul, MN 55106

3 Stars Plus
As is

Uniform Energy Rating System — **Energy Efficient**

1 Star	1 Star Plus	2 Stars	2 Stars Plus	3 Stars	3 Stars Plus	4 Stars	4 Stars Plus	5 Stars	5 Stars Plus
500-401	400-301	300-251	250-201	200-151	150-101	100-91	90-86	85-71	70 or Less

HERS Index: **138**

General Information

Conditioned Area:	2152 sq. ft.	HouseType:	Single-family detached
Conditioned Volume:	16977 cubic ft.	Foundation:	Conditioned basement
Bedrooms:	3		

Mechanical Systems Features

Heating:	Fuel-fired hydronic distribution, Natural gas, 80.0 AFUE.
Water Heating:	Conventional, Natural gas, 0.52 EF, 40.0 Gal, R-7 wrap.
Duct Leakage to Outside:	NA
Ventilation System:	None
Programmable Thermostat:	Heating: No Cooling: No

Building Shell Features

Ceiling Flat:	R-40, R-19	Exposed Floor:	R-0
Vaulted Ceiling:	R-8	Window Type:	D W Op
Above Grade Walls:	R-0, R-11	**Infiltration:**	
Foundation Walls:	R-0.0	Rate:	Htg: 1835 Clg: 1835 CFM50
Slab:	R-0.0 Edge, R-0.0 Under	Method:	Blower door test

Lights and Appliance Features

Percent Interior Lighting:	0.00	Range/Oven Fuel:	Natural gas
Percent Garage Lighting:	0.00	Clothes Dryer Fuel:	Natural gas
Refrigerator (kWh/yr):	776.00	Clothes Dryer EF:	3.01
Dishwasher Energy Factor:	0.00	Ceiling Fan (cfm/Watt):	0.00

The Home Energy Rating Standard Disclosure for this home is available from the rating provider.

REM/Rate - Residential Energy Analysis and Rating Software v12.98

This information does not constitute any warranty of energy cost or savings.

Registry ID:
Rating Number:
Certified Energy Rater: Jimmie Sparks
Rating Date: 3/28/12
Rating Ordered For: City of Saint Paul

Estimated Annual Energy Cost

As is

Use	MMBtu	Cost	Percent
Heating	188.6	$1513	66%
Cooling	0	$0	0%
Hot Water	17.2	$137	6%
Lights/Appliances	27.7	$523	23%
Photovoltaics	-0.0	$-0	-0%
Service Charges		$120	5%
Total		**$2294**	**100%**

This home meets or exceeds the minimum criteria for all of the following:

TITLE
Company
Address
City, State, Zip
Phone #
Fax #

Home Energy Rating Certificate

771 Geramin

Saint Paul, MN 55106

5 Stars Plus
Projected Rating

Uniform Energy Rating System — **Energy Efficient**

1 Star	1 Star Plus	2 Stars	2 Stars Plus	3 Stars	3 Stars Plus	4 Stars	4 Stars Plus	5 Stars	5 Stars Plus
500-401	400-301	300-251	250-201	200-151	150-101	100-91	90-86	85-71	70 or Less

HERS Index: **70**

General Information

Conditioned Area:	2152 sq. ft.	HouseType:	Single-family detached
Conditioned Volume:	16977 cubic ft.	Foundation:	Conditioned basement
Bedrooms:	3		

Mechanical Systems Features

Heating:	Fuel-fired hydronic distribution, Natural gas, 95.0 AFUE.
Water Heating:	Integrated, Natural gas, 0.75 EF, 40.0 Gal.
Duct Leakage to Outside:	NA
Ventilation System:	Exhaust Only: 52 cfm, 13.0 watts.
Programmable Thermostat:	Heating: Yes Cooling: No

Building Shell Features

Ceiling Flat:	R-50	Exposed Floor:	R-49
Vaulted Ceiling:	R-13, R-38	Window Type:	D W Op (LoE/Ar)
Above Grade Walls:	R-13, R-11	**Infiltration:**	
Foundation Walls:	R-0.0	Rate:	Htg: 1500 Clg: 1500 CFM50
Slab:	R-0.0 Edge, R-0.0 Under	Method:	Blower door test

Lights and Appliance Features

Percent Interior Lighting:	100.00	Range/Oven Fuel:	Natural gas
Percent Garage Lighting:	0.00	Clothes Dryer Fuel:	Natural gas
Refrigerator (kWh/yr):	446.00	Clothes Dryer EF:	3.01
Dishwasher Energy Factor:	0.00	Ceiling Fan (cfm/Watt):	0.00

The Home Energy Rating Standard Disclosure for this home is available from the rating provider.

REM/Rate - Residential Energy Analysis and Rating Software v12.98

This information does not constitute any warranty of energy cost or savings.

Registry ID:
Rating Number:
Certified Energy Rater: Jimmie Sparks
Rating Date: 3/28/12
Rating Ordered For: City of Saint Paul

Estimated Annual Energy Cost
Projected Rating

Use	MMBtu	Cost	Percent
Heating	87.9	$711	53%
Cooling	0	$0	0%
Hot Water	13.4	$107	8%
Lights/Appliances	22.7	$412	31%
Photovoltaics	-0.0	$-0	-0%
Service Charges		$120	9%
Total		**$1349**	**100%**

This home meets or exceeds the minimum criteria for all of the following:

TITLE
Company
Address
City, State, Zip
Phone #
Fax #

Neighborhood Energy Connection

Residential Energy Specification

Customer: City of St Paul

Auditor: Jimmie Sparks

Address: 771 Gernium Ave e

Phone: 651-221-4462 x123

Spec ID#	Spec Title	Specification	Location / Notes
203	Replace Boiler with 90% AFUE Hot Water Boiler & Sidearm water heater	Replace existing boiler with a gas fired, modulating, direct vent, 90% AFUE+ hot water boiler. Installation to include all power & control wiring, a set back thermostat, expansion tank, one circulation pump, water & gas supply & flue piping. The installation is required to maintain a minimum 70 F indoor temperature evenly throughout the conditioned space when outdoor temperature is - 10 F. Install an indirect fired 40 gallon water tank as a separate zone on the boiler with a maximum heat loss rating of 1 degree per hour. Remove existing boiler, recycle all metal components and dispose of all other materials in a code legal dump.	

500	Seal Attic Bypasses	Contractor shall seal all attic bypasses. Bypasses shall be defined as any break in the envelope of a house between a heated living space and an unheated area or exterior. Bypass locations include, but are not limited to, the following areas: chimneys, soil stacks, end walls, dropped ceilings, open plumbing walls, beneath kneewalls and around duct work, electrical work and attic access points. Bypasses shall be sealed in such a manner that the movement of air through the bypass is essentially stopped. "Essentially stopped" means that air leakage will not be detected by an infrared scan when the house is pressurized to 30 Pascals. Materials to be used for sealing bypasses depend on the size and location of the bypass and meet code requirements. These materials include high quality caulks (20-year life span), polyethylene rod stock, foam, sheetrock, sheet metal, extruded polystyrene and densely packed insulation.	
510	Blow Open Attic to R-50	All bypasses shall be sealed before insulating in such a manner that the movement of air through the bypass is essentially stopped. "Essentially stopped" means that air leakage will not be detected by an infrared scan when the house is pressurized to 30 Pascals. Blow insulation to depth indicated on manufacturer's coverage chart, consistently and evenly to R-50. Insulation in the peak attic must be marked with a ruler to measure depth and a sign with the number of bags used and the date of the installation.	
512	Dense Pack Slants to capacity with cellulose	Determine cavities are free of hazards and can support dense packing pressures, locate drilling hazards, control dust when drilling from interior. Blow Slant walls with cellulose to capacity using the Dense Pack Method to a minimum density 3.5 lbs/ft^3.	

526	Insulate Above Bay Window	Insulate space above bays to capacity. Insulate floor to capacity. Access holes must be patched, plugged and painted as necessary.	
540	Install additional attic ventilation	Venting shall be placed to minimize its impact on the appearance of the house. Where possible, venting shall be installed so that 50% is located high (roof vents or gable vents) and 50% is located low. All vents shall be screened. Vents cut in roof and/or soffits are to be cut full to proper size. All vents shall be properly installed according to manufacturer's specifications. They shall be correctly flashed and roofing tar applied as necessary to ensure a weather-tight seal. Number of vents to be determined by contractor.	
616	Wall insulation - Interior Application: Dense Pack Cellulose	Exterior walls insulated from inside the house shall be drilled through to provide access.	North wall of kitchen has batt fiberglass
806	Air Seal and Insulate Rim Joist using two-part foam	Apply two-part foam evenly and consistently according to manufacturer's instructions to insulate to R-10 around basement rim joist.	
1000	Install ENERGY STAR Rated Kitchen Fan	Install an ENERGY STAR rated exhaust fan connected with insulated rigid ductwork into a dampered vent.	
1010	Install ENERGY STAR Rated 2-stage Bathroom Fan	Install an ENERGY STAR rated two-speed bathroom fan .8 sones or less, with a pre-set low-speed of 10-30 CFM and a high-speed boost capability of 70-110 CFM initiated by a wall switch or motion detector. Vent bathroom fan using rigid duct and insulated with fiberglass and vented out with dampered roof vent.	

1200	Replace incandescents with CFLs	Replace incandescent bulbs with ENERGY STAR rated compact fluorescent lights. Install fixtures that meet the lighting needs of the particular area.	
1214	Install ENERGY STAR Rated Refrigerator	Install ENERGY STAR rated refrigerator sized appropriately for the household. Remove existing refrigerator, recycle all metal components and dispose of all other materials in a code legal dump.	
1216	Install ENERGY STAR Rated Air Conditioners	If installing window or wall sleeve air conditioners, use only ENERGY STAR rated air conditioners. Size the air conditioners appropriately for the room.	

CEI Labs
107 New Edition Court, Cary, NC 27511
Phone: (919) 481-1413 Fax: (919) 481-1442

LABORATORY REPORT
ASBESTOS BULK ANALYSIS

Client: **AllPhase Companies, Inc.**
404-A St. Croix Trail, North
Lakeland , MN 55043

Project: 771 Geranium Ave. E.; 1596-12S-G

CEI Lab Code: A12-0527
Received: 01-20-12
Analyzed: 01-23-12
Reported: 01-23-12
Analyst: Megan Brooks

CLIENT ID	CEI LAB ID	HOMOGENEITY DESCRIPTION	% ASBESTOS
G-1	A1242885	CEILING TEXTURE Heterogeneous, White, Non-fibrous, Bound CHRY <1% BIND 70 % PAINT 10 % VER 20 %	CHRY <1%
G-2	A1242886	CEILING TEXTURE Heterogeneous, White, Non-fibrous, Bound CHRY <1% BIND 70 % PAINT 10 % VER 20 %	CHRY <1%
G-3	A1242887	CEILING TEXTURE Heterogeneous, White, Non-fibrous, Bound CHRY <1% BIND 70 % PAINT 10 % VER 20 %	CHRY <1%
G-4	A1242888A	FLOOR TILE Heterogeneous, Green, Non-fibrous, Bound VINYL 60 % CACO 40 %	ND
	A1242888B	MASTIC Heterogeneous, Clear, Non-fibrous, Bound MAST 95 % CELL 5 %	ND
G-5	A1242889	SHEETROCK Heterogeneous, White, Tan, Fibrous, Bound GYPSUM 75 % CELL 20 % MAST 5 %	ND

CEI Labs
107 New Edition Court, Cary, NC 27511
Phone: 919-481-1413 Fax: : 919-481-1442

Project: 771 Geranium Ave. E.; 1596-12S-G

Lab Code: A12-0527

CLIENT ID	CEI LAB ID	HOMOGENEITY DESCRIPTION	% ASBESTOS
G-6	A1242890A	PLASTER SKIM COAT	ND
	Heterogeneous,	White, Non-fibrous, Bound	
		BIND 60 %	
		SILI 40 %	
	A1242890B	PLASTER BASE COAT	ND
	Heterogeneous,	Tan, Non-fibrous, Bound	
		BIND 40 %	
		SILI 60 %	
G-7	A1242891	SINK INSULATION	ND
	Heterogeneous,	White, Non-fibrous, Bound	
		BIND 85 % CELL 15 %	
G-8	A1242892	PLASTER	ND
	Heterogeneous,	White, Green, Non-fibrous, Bound	
		BIND 60 %	
		SILI 35 %	
		PAINT 5 %	
G-9	A1242893	PATCH	ND
	Heterogeneous,	Grey, Non-fibrous, Bound	
		BIND 95 % CELL 5 %	
G-10	A1242894	ADHESIVE	ND
	Heterogeneous,	Black, Non-fibrous, Bound	
		TAR 95 % CELL 5 %	
G-11	A1242895	FLOOR COMPOUND	ND
	Heterogeneous,	White, Non-fibrous, Bound	
		BIND 60 %	
		PAINT 5 %	
		SILI 35 %	

CEI Labs
107 New Edition Court, Cary, NC 27511
Phone: 919-481-1413 Fax: : 919-481-1442

Project: 771 Geranium Ave. E.; 1596-12S-G

Lab Code: A12-0527

CLIENT ID	CEI LAB ID	HOMOGENEITY DESCRIPTION	% ASBESTOS
G-12	A1242896 Heterogeneous,	PIPE INSULATION Tan, Fibrous, Loosely Bound CHRY 45% BIND 25 % CELL 30 %	CHRY 45%
G-13	A1242897 Heterogeneous,	PIPE INSULATION White, Fibrous, Loosely Bound CHRY 5% BIND 35 % CELL 60 %	CHRY 5%
G-14	A1242898A Heterogeneous,	TEXTURE White, Non-fibrous, Bound BIND 60 % PAINT 5 % CACO 35 %	ND
	A1242898B Heterogeneous,	PLASTER SKIM COAT White, Non-fibrous, Bound BIND 60 % SILI 40 %	ND
	A1242898C Heterogeneous,	PLASTER BASE COAT Tan, Non-fibrous, Bound BIND 40 % SILI 60 %	ND
G-15	A1242899 Heterogeneous,	CEILING TILE White, Tan, Fibrous, Loosely Bound BIND 5 % CELL 90 % PAINT 5 %	ND
G-16	A1242900 Heterogeneous,	FLOOR TILE Purple, Non-fibrous, Bound VINYL 60 % CACO 40 %	ND

CEI Labs
107 New Edition Court, Cary, NC 27511
Phone: 919-481-1413 Fax: : 919-481-1442

Project: 771 Geranium Ave. E.; 1596-12S-G

Lab Code: A12-0527

CLIENT ID	CEI LAB ID	HOMOGENEITY DESCRIPTION	% ASBESTOS
G-17	A1242901	CEILING TEXTURE	CHRY 5%
	Heterogeneous,	White, Non-fibrous, Bound	
		CHRY 5% BIND 60 %	
		PAINT 10 %	
		CACO 25 %	
G-18	A1242902	INSULATION	ND
	Heterogeneous,	Brown, Fibrous, Loosely Bound	
		CELL 100 %	

The following definitions apply to the abbreviations used in the ASBESTOS BULK ANALYSIS REPORT:

CHRY = Chrysotile	CELL = Cellulose	DEBR = Debris
AMOS = Amosite	FBGL = Fibrous Glass	BIND = Binder
CROC = Crocidolite	CACO = Calcium Carbonate	SILI = Silicates
TREM = Tremolite	SYNT = Synthetics	GRAV = Gravel
ANTH = Anthophyllite	WOLL = Wollastonite	MAST = Mastic
ACTN = Actinolite	CERWL = Ceramic Wool	PLAS = Plaster
N D = None Detected	NTREM = Non-Asbestiform Tremolite	PERL = Perlite
NANTH = Non-Asbestiform Anthophyllite	FBGY = Fibrous Gypsum	RUBR =Rubber
		VER =Vermiculite

CLIENT: AllPhase Companies, Inc.

PROJECT: 771 Geranium Ave. E.; 1596-12S-G

CEI LAB CODE: A12-0527

Stereoscopic microscopy and polarized light microscopy coupled with dispersion staining is the analytical technique used for sample identification. The percentage of each component is visually estimated by volume. These results pertain only to the samples analyzed. The samples were analyzed as submitted by the client and may not be representative of the larger material in question. Unless notified in writing to return samples, CEI Labs will discard all bulk samples after 30 days.

Many vinyl floor tiles have been manufactured using greater than 1% asbestos. Often the asbestos was milled to a fiber size below the detection limit of polarized light microscopy. Therefore, a "None Detected" (ND) reading on vinyl floor tile does not necessarily exclude the presence of asbestos. Transmission electron microscopy provides a more conclusive form of analysis for vinyl floor tiles.

It is certified by the signature below that CEI Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for the analysis of asbestos in bulk materials. The accredited test method is EPA / 600 / M4-82 / 020 for the analysis of asbestos in building materials. Procedures described in EPA / 600 / R-93 / 116 have been incorporated where applicable. The detection limit for the method is 0.1% (trace amount). CEI Labs's NVLAP accreditation number is #101768-0. This report is not to be used to claim product endorsement by NVLAP or any agency of the U. S. Government. This report and its contents are only valid when reproduced in full. Dust and soil analyses for asbestos using PLM are not covered under NVLAP accreditation.

ANALYST _____

REVIEWED BY _____

Tianbao Bai, Ph.D.
Laboratory Director

End of Report

A12.0527 (18)
A1242885. A1242902

CAROLINA ENVIRONMENTAL, INC.
107 New Edition Court, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

CHAIN OF CUSTODY RECORD
ASBESTOS/LEAD ANALYSIS

Client: AllPhase Companies, Inc.	Project Manager: David Jenkin
Address: 404-A St. Croix Trl N.	Phone: 651-436-2930
Lakeland, MN 55043	Fax: -3918
EMail: allphase.company@qwestoffice.net	
PO #: 771 Geranium Ave. E.	

PROJECT DESCRIPTION	PROJECT CODE	ASBESTOS: PLM Bulk	PLM Point Count	PLM Gravimetric	PCM Air	TEM Bulk	TEM Air	LEAD PAINT: Lead Paint*	Lead Wipe*	Lead Soil*	Lead Air*	Other Analysis
1st fl., SE Rm, S. end	G-1 Ceil. Text.	X										
" " N. end	2 " "											
" Stairwell area	3 " "											
" Kitchen	4 F.T. grn											
" " N. wall	5 Sheetrk											
" SE Rm, W. wall	6 Plaster											
" Kitchen	7 Sink insul., cream											
Basement, E. wall	8 Plaster											
" E. wall	9 Patch, gray											
" S. Wall	10 Adh., blk											

TURN-AROUND TIME
* Lead results require 48 Hour TAT or longer

- ☐ 5 DAYS
- ☐ 3 DAYS
- ☒ ~~48 HOURS~~
- ☒ 24 HOURS*
- ☐ 4 HOURS*

CLIENT ID#
1596-125-G

Samples will be disposed of 30 days after analysis, unless otherwise requested.

REMARKS:

Relinquished By: David Jenkin	Date / Time: 1/18/12	Received By: Kristy Pruitt	Date / Time: JAN 20 2012 12:00PM
Relinquished By:	Date / Time:	Received By:	Date / Time:

A12.0527

Carolina Environmental, Inc.

107 New Edition Court, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

CHAIN OF CUSTODY RECORD
ASBESTOS/LEAD ANALYSIS

Pg 2 of 2

Client: AllPhase Companies, Inc.	Project Manager: David Jenkin
Address: 404-A St. Croix Trl N.	Phone: 651-436-2930
Lakeland, MN 55043	Fax: -3918
EMail: allphasecompany@qwestoffice.net	
PO #: 771 Geranium Ave. E.	

PROJECT DESCRIPTION	PROJECT CODE	ASBESTOS: PLM Bulk	PLM Point Count	PLM Gravimetric	PCM Air	TEM Bulk	TEM Air	LEAD PAINT: Lead Paint	Lead Wipe	Lead Soil	Lead Air	Other Analysis
Basement, bathrm	G-11 Floor Compound	X										
" , S. end	12 Pipe insul.											
" "	13 Pipe joint insul.											
2nd Fl., S. Rm	14 Ceil. text. + Plaster											
" , E. Rm	15 Ceil. tile 12"x12"											
" , W. Rm/bathrm	16 F.T. 12"x12"											
" , N. Rm	17 Ceil. text.											
Attic	18 Insul.											

TURN-AROUND TIME

*Lead results require 48 Hour TAT or longer

- ☐ 5 DAYS
- ☐ 3 DAYS
- ~~☒~~ 48 HOURS
- ☒ 24 HOURS*
- ☐ 4 HOURS*

CLIENT ID# 1596-125-G

REMARKS:

Samples will be disposed of 30 days after analysis, unless otherwise requested.

Relinquished By: David Jenkin	Date / Time: 1/18/12	Received By:	Date / Time:
Relinquished By:	Date / Time:	Received By:	Date / Time:

Midwest
Environmental
Consulting, L.L.C.

January 26, 2012

Rennie Smith
All Phase Companies, Inc.
404A St. Croix Trail North
Lakeland MN 55043

RE: HUD Lead-Based Paint Inspection and Risk Assessment at the Single Family Residential Property, 771 Geranium Avenue East, St. Paul, Minnesota (All Phase Phone: 651-436-2930)

Dear Rennie Smith:

At your request, Midwest Environmental Consulting, L.L.C. (MEC) performed a HUD lead-based paint inspection and risk assessment of the single family property located at 771 Geranium Avenue East , St. Paul, Minnesota on January 19, 2012.

Greg Myers, Environmental Services Director with MEC and licenced lead risk assessor (MN LR #284) performed all field work associated with this project. MEC credentials can be found in Appendix A.

The purpose of this project was to determine whether lead-based paint or other lead hazards are present on the interior or exterior surfaces of the residential property. This report contains the results of the HUD lead-based paint inspection and risk assessment.

The inspection was conducted following the Housing and Urban Development (HUD) *"Guidelines for the Evaluation and Control of Lead-Based Paint in Housing,"* using the October 1997 revised Chapter 7 protocols. The sampling criteria used are those outlined in the HUD Standards 24 CFR Part 35 et al, "*Requirements for Notification Evaluation and Education of Lead-Based Paint Hazards in Federally Owned Residential Property and Housing Receiving Federal Assistance*." Also included, is an evaluation for lead dust hazards and bare soil hazards as part of the risk assessment.

According to HUD protocol, if the first 5 of a building component are identified as positive for lead-based paint, the remaining like components are assumed to be lead-based paint containing.

SITE DESCRIPTION

The residential property located at 771 Geranium Avenue East, St. Paul, Minnesota is a two story wood framed structure on a concrete basement and foundation constructed in

approximately the 1920's. The walls and ceilings are primarily plaster with some areas of drywall. There have been renovations over the years including vinyl window inserts in original wood jambs, newer cabinets in the kitchen and upper level bathroom, and low maintenance metal cladding on exterior trim, soffits & fascia. The north dining room window was in-filled on the inside, but the exterior wood sash is still exposed. The exterior is painted wood cedar shake siding. There is a detached garage which appears to be of a newer vintage with vinyl siding & gable ends and metal soffit & fascia. The entry garage door is a metal clad pre-primed door and the overhead door is aluminum. Bare soil could not be determined due to snow cover, but should be assumed to be present.

RESULTS OF PAINT INSPECTION

MEC used a paint inspection sampling strategy as described in the HUD *Guidelines* (1995 and revised Chapter 7 in October 1997). The results of portable X-Ray Fluorescence (XRF) spectrum analysis of representative building components in each functional area or room are shown in Appendix B. Results are organized and shown in actual sequence of analysis. All tests were made using a Niton® XLp 303 X-Ray Fluorescence Spectrum Analyzers (Serial # 8790).

XRF analytical results in Appendix B, in the column labeled "Results" represent lead concentrations per square centimeter of painted surface (mg/cm^2).

HUD regulations 24 CFR Part 35 et al, the HUD *Guidelines* and the Minnesota Department of Health (MDH) define the paint action level as lead concentrations at or above the level of 1.0 mg/cm^2 when measured with a portable XRF instrument (0.5% by weight when measured by laboratory methods).

The lead-based paint risk assessment protocol described in the HUD *Guidelines* and the EPA regulations rely on evaluation of surface coatings meeting the definition of poor, planned renovations, presence of dust and soil above current EPA and Minnesota Department of Health (MDH) Standards.

Tests are performed on each test combination. A test combination consists of unique combinations of substrate, color, building component, and location.

XRF results are classified as positive or negative. A positive classification indicates that lead is present on the testing combination at or above the HUD standards. It's important to note that the limited inspection of surfaces tested only applies to those surfaces areas tested and does not meet the requirements of a full HUD lead-based paint inspection and those surface areas not tested would be assumed to contain lead-based paint.

Appendix B includes a record of XRF calibration checks. Those checks were performed on thin films supplied by the XRF manufacturer; they contain known concentrations of lead. The graphs in that appendix show the variation of quality control with time. The assays in the table of raw data (Appendix B) that are labeled "Calibrate" indicate that they are for quality control. Additional quality control data and information are available to you upon request.

Side A: South, faces Geranium Avenue
Side B: West, faces residential properties
Side C: South, faces alley & residential properties
Side D: East, faces residential properties

Specific building components determined to have a lead concentration above the action level of (1.0 mg/cm^2) are listed below:

LOCATION	COMPONENT
Porch	Painted wood window components
Porch	Painted wood walls & upper trim & ceiling
Porch	Painted wood baseboards
Porch	Painted wood door components
Porch	Painted wood floor
Kitchen	Painted wood cabinet shelf
Kitchen	Painted plaster cabinet interior
Kitchen	Painted drywall ceiling
Stairway to 2nd Floor	Painted wood door casings
Stairway to 2nd Floor	Painted wood baseboards
Bedroom 1	Painted metal radiator
Bedroom 1	Painted wood closet door components
Bathroom 1	Painted plaster wall & ceiling
Bedroom 2	Painted wood door & door components (including closet door)
Bedroom 2	Painted wood baseboards (including closet baseboards)

Bedroom 2	Painted wood window components
Bedroom 2	Painted wood attic hatch & casing
Bedroom 2	Painted wood closet shelf & shelf supports
Bedroom 2	Painted plaster closet walls
Bedroom 3	Painted wood door & door components (including closet door)
Bedroom 3	Painted wood baseboards
Bedroom 3	Painted wood window components
Bedroom 3	Painted metal radiator
Stairway to Basement	Painted wood door & door components
Stairway to Basement	Painted wood cornice
Stairway to Basement	Painted wood shelf
Stairway to Basement	Painted wood stair treads & risers
Stairway to Basement	Painted plaster walls & ceiling
Stairway to Basement	Painted wood baseboards
Basement - Room 1	Painted wood window components
Basement - Bathroom 2	Painted wood baseboard
Basement - Room 1	Painted metal pipe
Exterior	Metal window cladding - including cellar window (depth index indicates lead beneath metal surfaces)
Exterior	Painted wood siding
Exterior	Exposed painted wood window sash
Exterior	Painted wood door components
Exterior	Metal soffit & fascia (depth index indicates lead beneath metal surfaces)

Also included in Appendix B of this report is a rating of the condition of paint on components (column titled "Condition"). Comments on the condition include:

Intact: good condition; **Fair:** less than 2 square feet of damage to large interior surface, i.e., wall, less than 10 square feet of damage to large exterior surface, i.e., outside walls, or less than 10% damage to small surface areas, i.e., baseboards, trim, etc.; **Poor:** more than 2 square feet of damage on large interior surfaces, more than 10 square feet of damage to large exterior surface areas, or more than 10% damage to small surface areas.

RESULTS OF LEAD RISK ASSESSMENT

The risk assessment portion of this investigation involved two major phases: collecting information about the property through a visual inspection of the dwelling; and reviewing paint test data and visual assessment notes in order to determine the type, location, and number of samples needed to further identify lead hazards at the property. These samples may consist of paint, dust, soil, and water.

- The date of construction of the residence is approximately the 1920's.
- The property is a single family residential structure.
- Interior walls and ceilings are primarily plaster with some drywall.
- Most windows have vinyl inserts in original jambs exterior metal cladding.
- The exterior siding is wood. The soffits, fascia & trim are metal.
- There is a newer vintage wood framed and vinyl sided garage with metal soffits & fascia.
- Bare soil was not observed on the day of the site evaluation.
- The property is currently vacant.

Visual Inspection

MEC conducted an inspection of painted and varnished surfaces on the interior and exterior of the residence. Emphasis was placed on chewable surfaces within 5 feet of the ground or floor.

The results of the visual inspection indicate that the interior and the exterior of the structure is mainly in fair condition with some components in poor or intact condition.

Please note, however, the condition report within the XRF table for painted or varnished surfaces found to be fair or poor, that were below the 1.0 mg/cm^2 action level.

Environmental Sampling Plan

Based on the location of lead-based paint, deteriorated lead-based paint, and information gathered during the visual inspection, MEC formulated the following environmental sampling plan to identify other lead hazards on this property. Water

samples were not collected as they were not part of the scope of work for this project. Bare soil was observed around the foundation on the day of the site visit and a bare soil sample was collected.

Samples were collected and delivered to EMSL Laboratory (ELLAP 163162), Minneapolis, Minnesota where they were prepared and analyzed using current appropriate protocols for lead. Laboratory results for environmental samples may be found in Appendix C.

Analytical results are reported below for each sample and compared to standard action levels that have been identified for this project.

SAMPLE # DATE	LOCATION	RESULT	PROJECT ACTION LEVEL
502/0112L-W1 1/19/12	Stair 1, Side A, floor adj. entry door	12 µg/ft^2	40 µg/ft^2
502/0112L-W2 1/19/12	Living Room, Side D, floor under window	**100 µg/ft^2**	**40 µg/ft^2**
502/0112L-W3 1/19/12	Living Room, Side D, window stool	**53,000 µg/ft^2**	**250 µg/ft^2**
502/0112L-W4 1/19/12	Kitchen, Side C, floor adj. entry door	**730 µg/ft^2**	**40 µg/ft^2**
502/0112L-W5 1/19/12	Bedroom 2, Side C, floor under window	11 µg/ft^2	40 µg/ft^2
502/0112L-W6 1/19/12	Bedroom 2, Side C, right window stool	**8,100 µg/ft^2**	**250 µg/ft^2**
502/0112L-W7 1/19/12	Bedroom 3, Side D, floor under left window	18 µg/ft^2	40 µg/ft^2
502/0112L-W8 1/19/12	Bedroom 3, Side D, left window trough	**580 µg/ft^2**	**400 µg/ft^2**
502/0112L-W9 1/19/12	Blind Field Blank	<10 µg/ft^2	----------

* Unit Abbreviations: µg/ft^2 - micrograms per square foot

Dust wipe were collected from the residence, however, water and sodium rhodizonate swabs were not collected as part of this project. Bare soil was not observed on the day

of the site evaluation. No bare soil samples were collected .

According to HUD protocol, if the first 5 of a building component are identified as positive for lead-based paint, the remaining like components are assumed to be lead-based paint containing.

At the request of the City of St. Paul, only abatement options are provided for lead hazards identified during this evaluation. Abatement options can include removal of building components to the substrate and replacement with new lead free products; enclosure of building components under dust tight barriers; encapsulation; or removal of coatings to the substrates and re-coating with lead free coatings.

RECOMMENDATIONS

Lead-based paint or lead hazards were found during the inspection and risk assessment of the property including painted wood porch windows, walls, floor, ceiling baseboards & trim: painted wood kitchen cabinet; painted wood door components; painted wood baseboards; drywall & plaster walls & ceilings; metal radiators; basement stair treads & risers; under exterior metal cladding; and exterior painted wood siding.

Porch:

Painted wood door components: In poor condition.

- Option 1: Remove door components using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

.Painted wood window components: In fair condition.

- Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free products
- Option 2; Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings

Painted wood walls, ceiling & upper trim: In poor to intact condition.

- Option 1: Remove wall, ceiling & trim components using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.

- Option 4: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood baseboards: In fair condition.
- Option 1: Remove baseboards using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood floor: In fair condition.
- Option 1: Remove floor using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3:Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Kitchen:

Painted wood cabinet shelf: In poor condition.
- Option 1: Remove shelf using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Remove coatings to substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted plaster cabinet inside (part of wall): In intact condition.
- Option 1: Remove wall system using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted drywall ceiling: In intact condition.
- Option 1: Remove ceiling system using Lead Safe Work Practices and replace with new lead free products.

- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.

Stairway to 2nd Floor:

Painted wood door components: In fair condition.

- Option 1: Remove door components using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood baseboards: In fair condition.

- Option 1: Remove baseboards using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Bedroom 1:

Painted metal radiator: In fair condition.

- Option 1: Remove radiator using Lead Safe Work Practices and replace with a new radiator or a different kind of heating system.
- Option 2: Remove coatings to the substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood closet door components: In fair condition.

- Painted wood door components: In fair condition.
- Option 1: Remove door components using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices

Bathroom:

Painted wood door components: In fair condition.

- Option 1: Remove door components using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood baseboards: In fair condition.
- Option 1: Remove baseboards using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted plaster walls & ceiling: In intact condition.
- Option 1: Remove wall & ceiling systems using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Bedroom 2:

Painted wood doors & door components (including closet door): In fair condition.
- Option 1: Remove door components using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood baseboards (including closet baseboards): In fair to intact condition.
- Option 1: Remove baseboards using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood window components: In poor condition.
- Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free products

- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood attic hatch & attic casings: In fair condition.
- Option 1: Remove components using Lead Safe Work Practices and replace with lead free components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood closet shelf & shelf supports: In intact condition.
- Option 1: Remove components using Lead Safe Work Practices and replace with lead free components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted plaster closet walls: In intact condition.
- Option 1: Remove wall system using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Bedroom 3:

Painted wood doors & door components (including closet door): In fair condition.
- Option 1: Remove door components using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood baseboards: In fair to intact condition.
- Option 1: Remove baseboards using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood window components: In poor condition.
- Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free products
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted metal radiator: In fair condition.
- Option 1: Remove radiator using Lead Safe Work Practices and replace with a new radiator or a different kind of heating system.
- Option 2: Remove coatings to the substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Stairway to Basement:

Painted wood doors & door components: In poor condition.
- Option 1: Remove door components using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood cornice & shelf: In poor condition.
- Option 1: Remove components using Lead Safe Work Practices and replace with lead free components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood stair treads & stair riser: In poor condition.
- Option 1: Remove stair system using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted plaster walls & ceiling: In poor to fair condition.
- Option 1: Remove wall & ceiling system using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood baseboards: In poor condition.

- Option 1: Remove baseboards using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Basement - Room 1:

Painted wood window components: In fair condition.

- Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free products
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted metal pipe: In fair condition.

- Option 1: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Basement Bathroom:

Painted wood baseboards: In fair condition.

- Option 1: Remove baseboards using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Exterior:

Metal window cladding (depth index indicates lead beneath the metal surfaces):In intact to poor condition.

- Option 1: Remove and replace damaged metal cladding using Lead Safe Work Practices making sure that seams and seals are maintained in a sealed condition using elastomeric caulking and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 2: Remove metal cladding using Lead Safe Work Practices and replace with new lead free products.

- Option 3: Remove cladding & coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood siding: In poor condition.
- Option 1: Remove siding using Lead Safe Work Practices and replace with lead free products.
- Option 2: Enclose under a dust tight barrier, such as low maintenance siding, using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring. Ensure that all seams & seals are maintained in a sealed condition with elastomeric caulk.
- Option 3: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with new lead free coatings.

Painted wood doors & door components: In poor condition.
- Option 1: Remove door components using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Metal soffits, & fascia (depth index indicates lead beneath the metal surfaces: In intact condition.
- Option 1: Include into an Operation & Maintenance Plan with ongoing monitoring. (The metal cladding is already an enclosure). Ensure that seams are maintained in a sealed condition with elastomeric caulk.
- Option 2: Remove components to substrate using Lead Safe Work Practices and replace with new lead free products.
- Option 3: Remove coatings under cladding to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Exposed wood painted wood window components (Side C): In poor condition.
- Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free products
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Lead Dust:
Dust wipe samples were found to be above the defined actions levels on floor and window surfaces tested. All window and floor systems will be required to be cleaned and should be made smooth and cleanable. If planned renovation or work activity will disturb lead coated surfaces, lead safe work practices should be followed, which include requirements for clean up of the work area and clearance testing.

Bare Soil:
Bare soil was not observed due to snow cover. No bare soil samples were collected. If bare soil is present it is assumed to be above the MDH standard of 100 parts per million.

- Abatement Option 1: Removal of bare soil and replacement with new soil of 25 parts per million of lead or less.
- Abatement Option 2: Covering bare soil with asphalt, concrete or other impervious coating.

When qualified contractors are performing the planned renovation/remodeling activities, precautions should be properly done to minimize the potential for lead-based paint contamination to the workers, occupants and the environment.

DISCUSSION

The mere presence of lead-coated surfaces does not create a lead hazard. Maintenance of lead containing coatings will prevent lead from becoming a hazard. Lead-based paint above the action level of 1.0 mg/cm^2 was found on surfaces tested.

Because exterior surfaces are to be remediated and lead-coatings are present, covering the ground and providing adequate protection to soil is very important. Bare soil is not currently present and steps should be taken to keep bare soil from being generated.

Dust wipe samples collected found lead dust levels above the action levels on floor and window surfaces tested as defined by MDH, HUD and EPA in the sampling locations tested. Contractors will be required to clean all floor systems and window surfaces throughout the complex for lead hazards in dust following and as a part of the planned restoration.

The preceding lead reduction recommendations include different ways to treat each lead hazard that was identified by the risk assessment/inspection. The most effective treatments are considered abatement and require little or no ongoing maintenance to preserve a lead safe environment. The less effective treatments are called interim controls and these treatments require an increased amount of ongoing maintenance to preserve a lead safe environment.

If no lead dust, soil, or lead-based paint is found, then no monitoring is required.

If no hazards are found, but lead-based paint is found, then reevaluation should occur every three years, and an owner's visual survey should occur annually.

If lead dust, soil, or lead-based paint hazards are found to be present, choosing the option with removal of all lead-based paint will result in no monitoring requirements. If

abatement options are chosen that include enclosure, then no re-evaluation is required, but the owner should conduct visual surveys every year to ensure the enclosure has not failed. If the interim control options (stabilize and paint) are chosen, then re-evaluation should occur after the first year and then every two years after that. Visual surveys by the owner should occur annually.

If lead dust levels are found to be more than ten times the standard levels, then reevaluation after interim control measures should occur six months after the hazard reduction.

In general, all painted surfaces should be monitored. A negative result does not necessarily indicate that no lead is present in that surface, but rather indicates that any lead present in that surface does not rise above the 1.0 mg/cm^2 threshold in the areas tested. Therefore, all painted surfaces should be maintained in accordance with the Minnesota Department of Health standards.

ROUGH ESTIMATED COSTS:

- Work site preparation for interior, approximately $75.00 to $250.00 per room.
- Window replacement, approximately $150.00 and up, depending on style.
- Exterior preparation approximately $35.00 to $75.00 per component (i.e., windows, doors), removal or enclosure.
- Work area cleaning: $0.15 to $0.35 per square foot.
- Paint stabilization: $0.20 to $0.65 per square foot.
- Removal: Paint - chemical stripper: $0.65 to $1.50 square foot.
- Soil Remediation:
  a. Clean-up of visible exterior paint chips: $0.90 to $1.35 square foot.
  b. Seed and tack grass: $0.45 to $0.75 square foot.
  c. Sod: $1.25 to $3.30 square foot.
  d. Regrade at foundation and sod: $3.00 to $5.00 square foot.
  e. Mulch - 4": $0.50 to $0.90 square foot.
  f. Concrete: $4.50 to $8.00 square foot.
  g. Replace soil: $42.00 to $65.00 cubic yard.

If work is going to be performed on these surfaces, individuals and/or contractors should be informed of the results of testing. At a minimum, the person(s) performing the

work should follow the requirements of the Occupational Safety and Health Administration (OSHA) Standard 29 CFR 1926.62, Lead in the Construction Industry.

For the protection of the occupants and workers, and because of the use of federal funds, you are required by the HUD rules to use qualified firms who are knowledgeable about the hazards associated with lead. Supervisor should be licensed and workers will be required to be licenced or certified, as MEC understands the scope of work.

Please maintain a copy of the lead inspection/risk assessment report for your records and provide a copy of the report to any contractors that may be involved in any future renovations or remodeling projects.

A copy of this lead inspection/risk assessment summary must be provided to purchasers or lessees (tenants) of this property under Federal Law (24 CFR Part 35 and 40 CFR part 745) before they become obligated under a lease or sales contract.

The complete report must also be provided to new purchasers and it must be made available to new tenants. Landlords (lessors) and sellers are also required to distribute an educational pamphlet approved by the U.S. Environmental Protection Agency and include standard warning language in their leases or sales contracts to ensure that parents have the information they need to protect their children from lead-based paint hazards.

It has been our pleasure to provide this service to you and your organization. Please contact me if you have questions relating to any aspect of this work.

Respectfully submitted,

Greg Myers
Environmental Services Director

APPENDIX A

INSPECTOR CREDENTIALS

Minnesota Department of Health

has authorized

Midwest Environmental Consulting, LLC
145 2nd Ave SE
Cambridge, Minnesota 55008

in accordance with Minnesota Statutes, section 144.9505 and Minnesota Rules, part 4761.2200, to practice in the State of Minnesota as a

Certified Lead Firm

License No: LF551
Expires 03/28/2012

This certificate is nontransferable.

Linda B. Bruemmer, Director
Division of Environmental Health

Director, Env. Health Div.

MDH LEAD
Risk Assessor

Licensed by:
State of Minnesota
Department of Health

License No. LR284
Expires 08/26/2012

Greg A Myers
19667 Salmonson River Rd
Mora, MN 55051

Greg A. Myers

has completed the Minnesota-Approved Lead Training course entitled:

Lead Risk Assessor Refresher Training

August 25, 2011

given by

Midwest Environmental Consulting, L.L.C.
145 - 2nd Avenue SE; Cambridge, MN 55008
Phone: 763.691.0111

SUCCESSFULLY PASSED THE EXAMINATION ON August 25, 2011, IN Cambridge, MINNESOTA

IDENTIFICATION NUMBER: MEC/LRAR 0843
Expiration Date: August 25, 2012
MDH Permit Number: RAR-006

Course Director/Primary Instructor

Approved by the State of Minnesota under Minnesota Rules, parts 4761.2000 to 4761.2700.

MINNESOTA
MDH
DEPARTMENT of HEALTH

RA-0040

Lead Risk Assessor Independent Examination

121 East Seventh Place, Suite 220 • St. Paul • Minnesota 55101 • (651) 215-0700

This certifies that

Greg Myers

has successfully passed the required independent examination for:

Lead Risk Assessor

October 25, 1999
St. Paul, Minnesota
This certificate is nontransferable.

Patricia A. Bloomquist

Director, Division of Environmental Health
Jan K. Malcolm, Commissioner

Midwest Center for Occupational Health & Safety

Program in Continuing Education - Occupational Health

640 Jackson Street
St. Paul, MN 55101
(612) 221-3992
LR-48

This certifies that

Greg Myers

attended this continuing education course offered by Midwest Center for Occupational Health & Safety

Lead Risk Assessment

April 24 - 25, 1997

SUCCESSFULLY PASSED THE EXAMINATION ON APRIL 25, 1997 IN ST PAUL, MN.

- 2.0 Maintenance of certification points from the American Board of Industrial Hygiene.
- Designed to meet the requirements of the Minnesota Board of Nursing for 19.2 (50 minute) contact hours.
- This course offers 1.6 Continuing Education Units (CEUs) from the Midwest Center for Occupational Health and Safety.

A NIOSH Sponsored Educational Resource Center
A National Institute of Environmental Health Sciences
A US EPA Regional Lead Training Center
A Great Lakes OSHA Training Consortium

Course Director

Return this certificate for your records

THIS CERTIFIES THAT

Greg Myers

has completed the EPA Sponsored Lead Training course entitled

Lead Inspector Training

February 2, 1994 to February 4, 1994

given by the

Midwest Center for Occupational Health & Safety

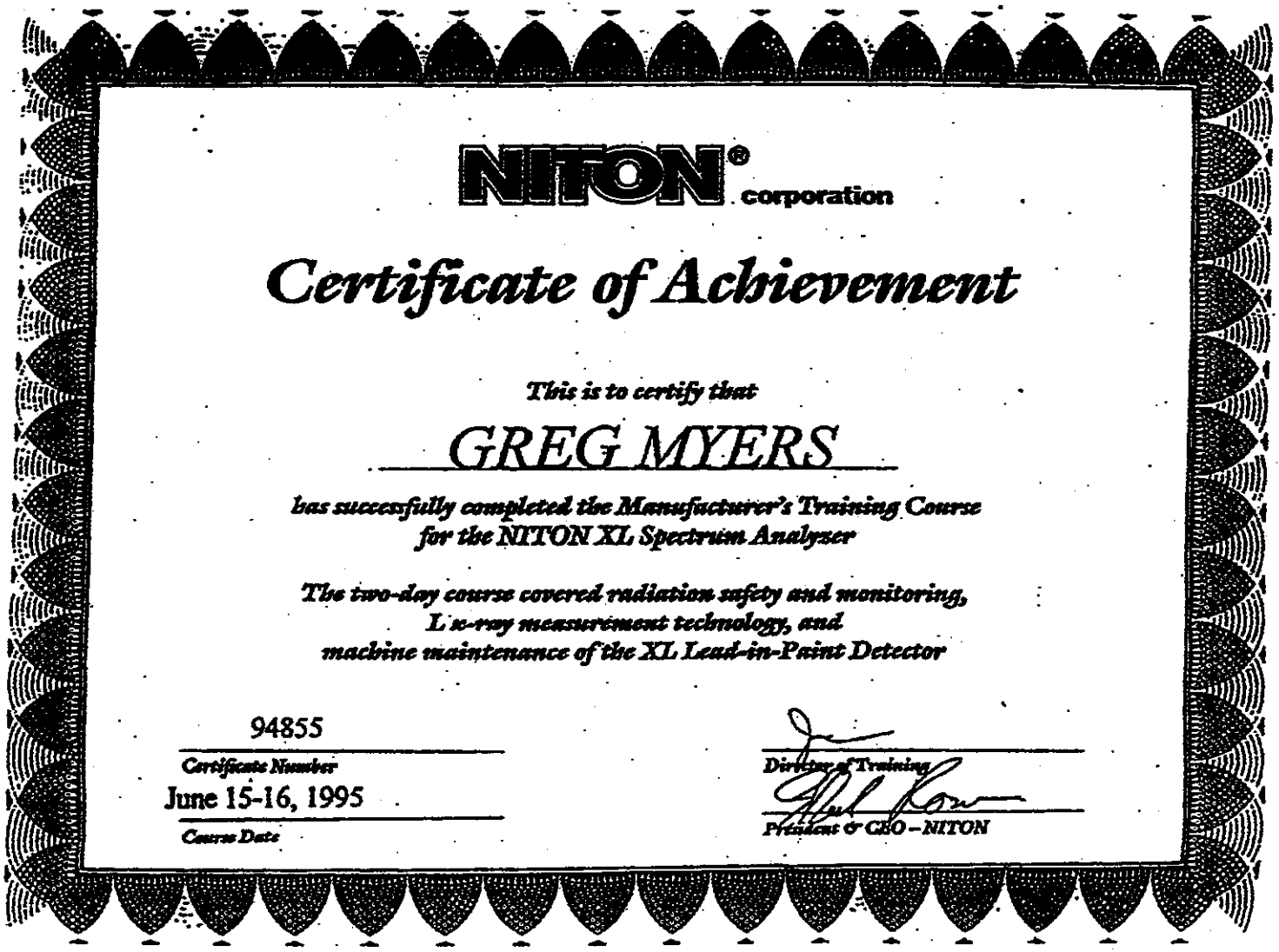
Program in Continuing Education
An EPA Regional Lead Training Center

Successfully passed the examination on February 4, 1994 in St Paul, MN

- Designed to meet the requirements of the MN Board of Nursing for 25 contact hours
- 3.0 Maintenance of certification points from the American Board of Industrial Hygiene
- Approval has been granted for 12 contact hours for continuing education by the MDH for recertification as an Environmental Health Specialist/Sanitarian
- This course offers 2.4 Continuing Education Units (CEUs) from the Midwest Center for Occupational Health and Safety

Certification Number: LI-299

Midwest Center for Occupational Health Center



NITON® corporation

Certificate of Achievement

This is to certify that

GREG MYERS

has successfully completed the Manufacturer's Training Course for the NITON XL Spectrum Analyzer

The two-day course covered radiation safety and monitoring, L x-ray measurement technology, and machine maintenance of the XL Lead-in-Paint Detector

94855
Certificate Number

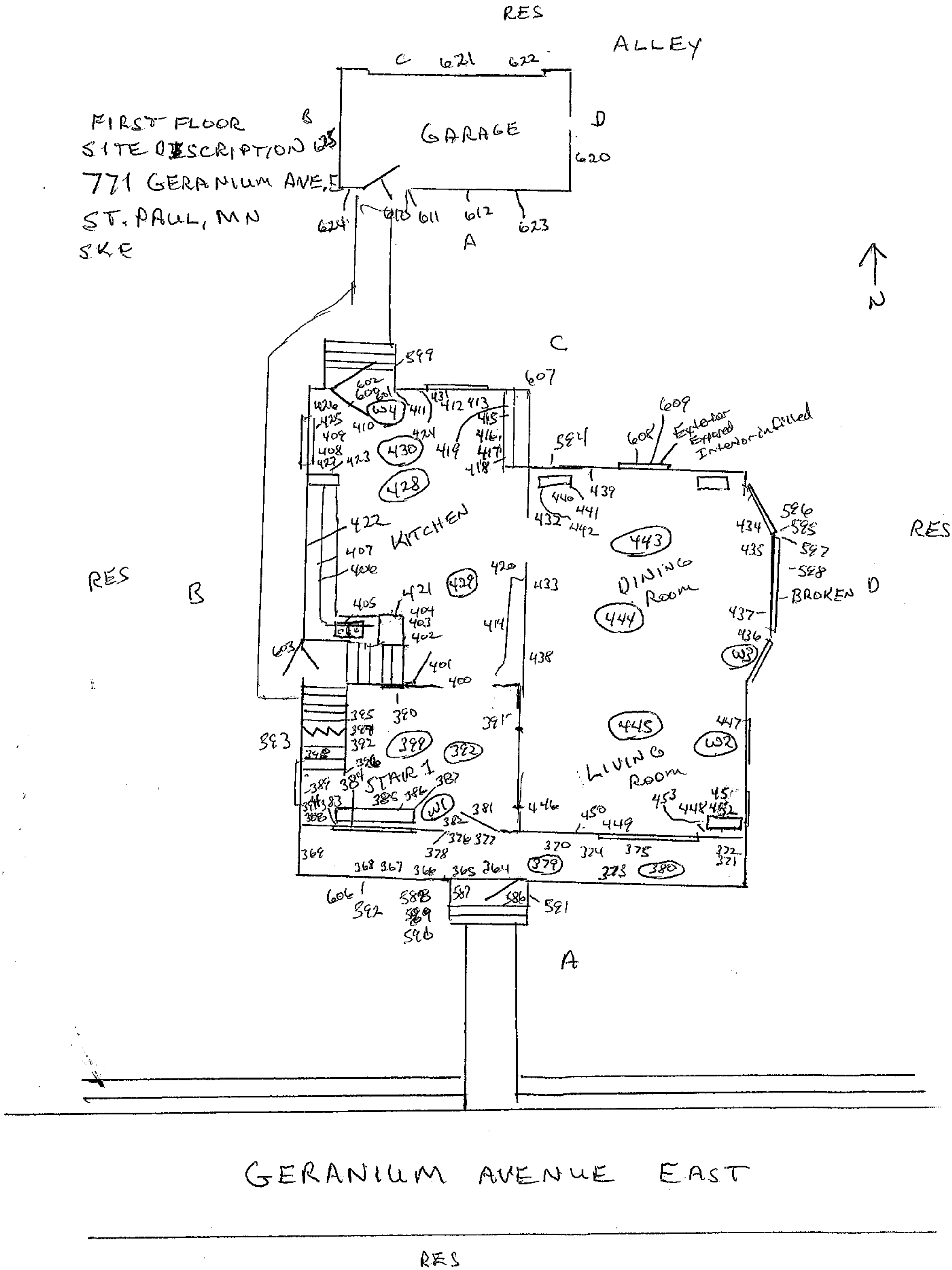
June 15-16, 1995
Course Date

Director of Training

President & CEO – NITON

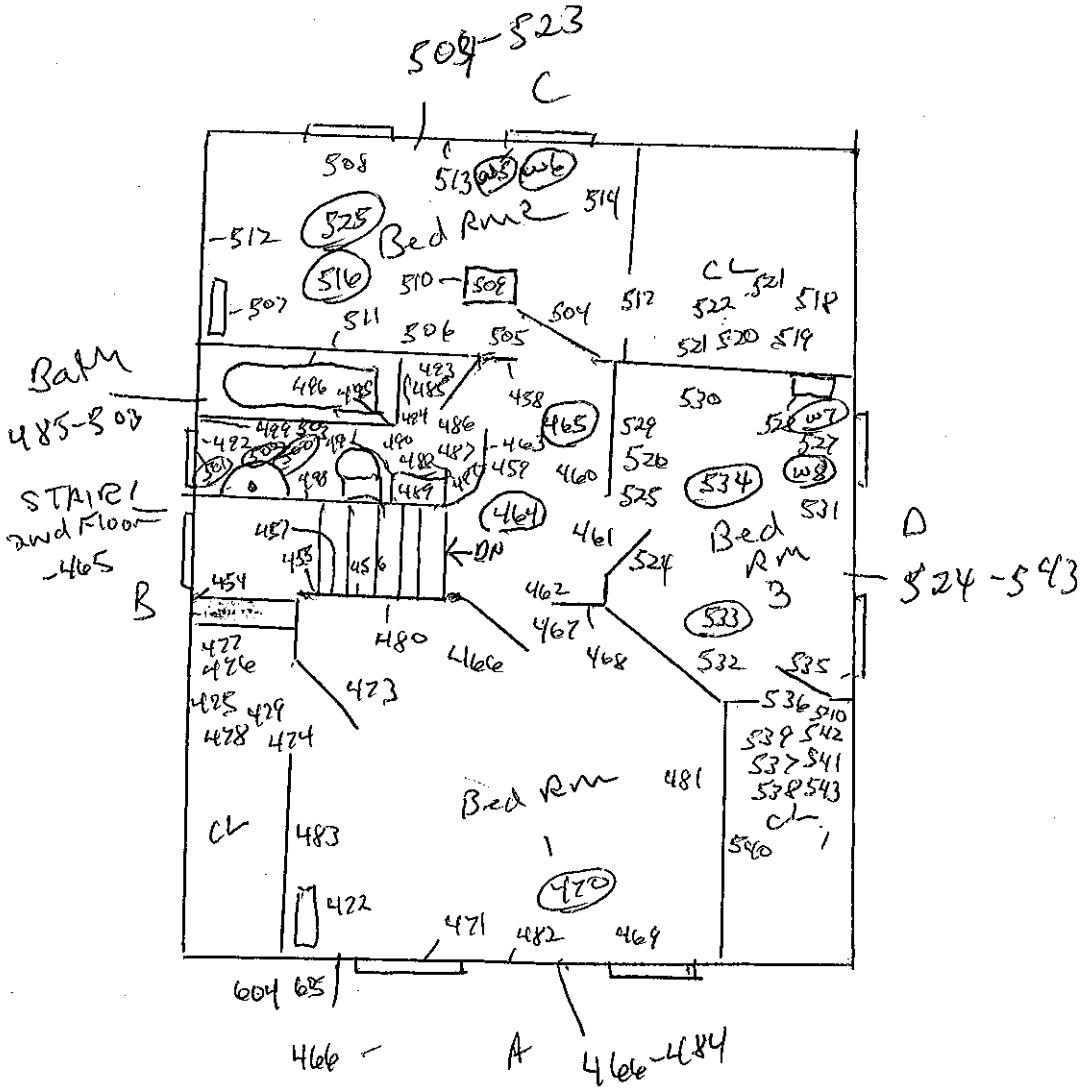
APPENDIX B

XRF TEST RESULTS
SAMPLING MAPS
DATA PAGES
CALIBRATION DATA



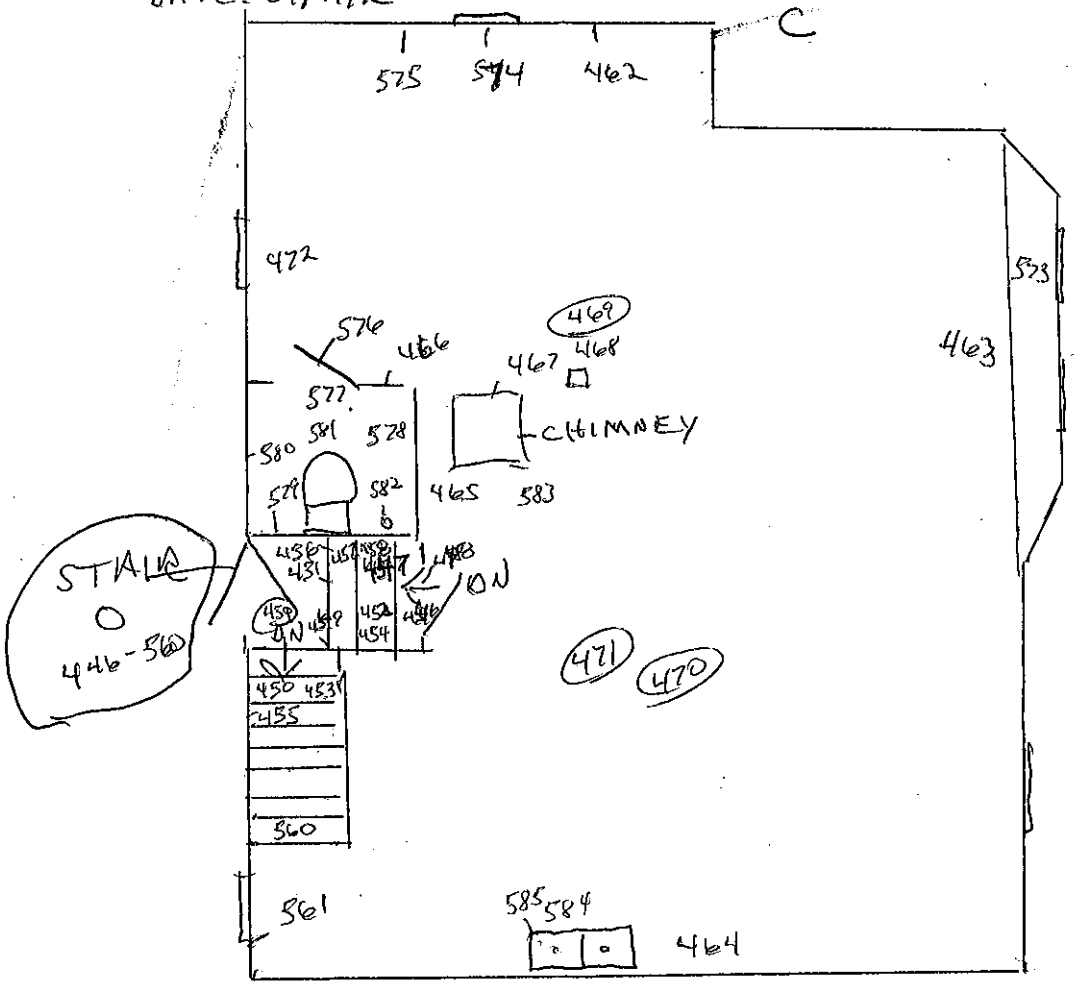
RES
ALLEY
GARAGE
FIRST FLOOR
SITE DESCRIPTION
771 GERANIUM AVE. E
ST. PAUL, MN
SKE
N
KITCHEN
DINING Room
LIVING Room
STAIR 1
RES
RES
BROKEN
Exterior Exposed Interior-in-filled
GERANIUM AVENUE EAST
RES

SECOND FLOOR
771 Geranium Ave. E
ST PAUL, MN
SKETCH NOT TO SCALE
DRAWN BY: GREG MYERS
MIDWEST ENVIRONMENTAL CONSULTING
DATE: 01/19/12



BASEMENT

771 GERANIUM AVE. E
ST PAUL, MN
SKETCH NOT TO SCALE
DRAWN BY: GREG MYERS
MIDWEST ENVIRONMENTAL CONSULTING
DATE: 01/19/12



All Phase Companies
771 Geranium Ave. E
St. Paul MN

Site: All Phase Co. - 771 Geramium Avenue East, St. Paul MN
Date: Jan. 19, 2012
XRF: XLp 303A, Serial # 8790

Site	XRF #	Date/Time	Floor	Room	Row	Side	Component	Substrate	Condition	Color	Results	PbC	Pb±	%RSD	Duration	Depth	Unit
771 Geranium Ave E	361	1/19/2012 13:03					calibrate				POS	1.1	1.1	< LOD	16.91	1.11	GM
771 Geranium Ave E	362	1/19/2012 13:04					calibrate				POS	1.1	1.1	< LOD	22.45	1.09	GM
771 Geranium Ave E	363	1/19/2012 13:05					calibrate				POS	1.1	1.1	< LOD	17.91	1.09	GM
771 Geranium Ave E	364	1/19/2012 13:13	1	Porch		A	Door	Metal	Fair	White	Neg	< LOD	< LOD	< LOD	2.48	2.76	GM
771 Geranium Ave E	365	1/19/2012 13:13	1	Porch		A	Door Jamb	Wood	Fair	White	Neg	< LOD	< LOD	< LOD	2.67	1.24	GM
771 Geranium Ave E	366	1/19/2012 13:14	1	Porch		A	Window Casing	Wood	Fair	White	POS	16.7	< LOD	16.7	3.5	4.46	GM
771 Geranium Ave E	367	1/19/2012 13:15	1	Porch		A	Window Sill	Wood	Fair	White	POS	17.3	< LOD	17.3	2.06	5.44	GM
771 Geranium Ave E	368	1/19/2012 13:15	1	Porch		A	Wall	Wood	Intact	White	POS	27.1	10.1	27.1	3.51	2.81	GM
771 Geranium Ave E	369	1/19/2012 13:15	1	Porch		B	Wall	Wood	Intact	White	POS	21.6	< LOD	21.6	2.07	3.34	GM
771 Geranium Ave E	370	1/19/2012 13:16	1	Porch		C	Wall	Wood	Intact	White	POS	38	< LOD	38	2.06	4.06	GM
771 Geranium Ave E	371	1/19/2012 13:16	1	Porch		D	Wall	Wood	Intact	White	POS	22.8	< LOD	22.8	1.86	4.06	GM
771 Geranium Ave E	372	1/19/2012 13:16	1	Porch		D	Baseboard	Wood	Fair	White	POS	4.2	3	4.2	2.89	9.58	GM
771 Geranium Ave E	373	1/19/2012 13:18	1	Porch		A	Upr trim	Wood	Fair	White	POS	31.4	< LOD	31.4	2.07	3.91	GM
771 Geranium Ave E	374	1/19/2012 13:18	1	Porch		C	Window Casing	Wood	Fair	White	POS	35.2	10.1	35.2	3.5	4.52	GM
771 Geranium Ave E	375	1/19/2012 13:19	1	Porch		C	Window Sash	Vinyl	Intact	White	Neg	< LOD	< LOD	< LOD	2.68	1.11	GM
771 Geranium Ave E	376	1/19/2012 13:19	1	Porch		C	Door Jamb	Wood	Poor	White	POS	7.3	8.2	7.3	2.27	2.71	GM
771 Geranium Ave E	377	1/19/2012 13:20	1	Porch		C	Door	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.69	1.54	GM
771 Geranium Ave E	378	1/19/2012 13:21	1	Porch		C	Threshold	Wood	Poor	Varnish	POS	1.2	1.2	1	20.43	6.65	GM
771 Geranium Ave E	379	1/19/2012 13:22	1	Porch			Ceiling	Wood	Poor	White	POS	37	< LOD	37	2.07	3.71	GM
771 Geranium Ave E	380	1/19/2012 13:22	1	Porch			Floor	Wood	Fair	Grey	POS	10.1	8.6	10.1	3.51	2.31	GM
771 Geranium Ave E	381	1/19/2012 13:24	1	Stairway 1		A	Door	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.69	2.41	GM
771 Geranium Ave E	382	1/19/2012 13:25	1	Stairway 1		A	Door Casing	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.7	1	GM
771 Geranium Ave E	383	1/19/2012 13:25	1	Stairway 1		A	Window Casing	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.69	1	GM
771 Geranium Ave E	384	1/19/2012 13:26	1	Stairway 1		A	Window Sash	Vinyl	Intact	Blonde	Neg	< LOD	< LOD	< LOD	2.69	1	GM
771 Geranium Ave E	385	1/19/2012 13:26	1	Stairway 1		A	Miniblind	Vinyl	Intact	Blonde	Neg	< LOD	< LOD	< LOD	2.88	1.17	GM
771 Geranium Ave E	386	1/19/2012 13:27	1	Stairway 1		A	Radiator cab	Wood	Poor	Blonde	Neg	< LOD	< LOD	< LOD	2.68	2.22	GM
771 Geranium Ave E	387	1/19/2012 13:28	1	Stairway 1		A	Radiator cab	Metal	Poor	White	Neg	< LOD	< LOD	< LOD	2.47	1	GM
771 Geranium Ave E	388	1/19/2012 13:28	1	Stairway 1		A	Radiator	Metal	Fair	Grey	Neg	< LOD	< LOD	< LOD	2.49	1.19	GM
771 Geranium Ave E	389	1/19/2012 13:29	1	Stairway 1		A	Wall	Plaster	Fair	White	Neg	< LOD	< LOD	< LOD	4.13	1.83	GM
771 Geranium Ave E	390	1/19/2012 13:30	1	Stairway 1		B	Wall	Plaster	Fair	White	Neg	< LOD	< LOD	< LOD	3.71	1	GM
771 Geranium Ave E	391	1/19/2012 13:30	1	Stairway 1		C	Wall	Plaster	Fair	White	Neg	< LOD	< LOD	< LOD	4.94	1.7	GM
771 Geranium Ave E	392	1/19/2012 13:31	1	Stairway 1		D	Wall	Plaster	Fair	White	Neg	< LOD	< LOD	< LOD	4.74	1.21	GM
771 Geranium Ave E	393	1/19/2012 13:32	1	Stairway 1			Ceiling	Plaster	Intact	White	Neg	< LOD	< LOD	< LOD	2.89	1	GM
771 Geranium Ave E	394	1/19/2012 13:33	1	Stairway 1			Mirror casing	Wood	Intact	White	Neg	< LOD	< LOD	< LOD	2.67	1	GM
771 Geranium Ave E	395	1/19/2012 13:33	1	Stairway 1		B	Baseboard	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.48	1	GM
771 Geranium Ave E	396	1/19/2012 13:34	1	Stairway 1		C	Newel Post	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.68	1.58	GM

All Phase Companies
771 Geranium Ave. E
St. Paul MN

Site	Sort #	Date/Time	Floor	Room	Rm #	Side	Component	Substrate	Condition	Color	Results	PbC	PbL	PbK	Duration	Depth	Insp.
771 Geranium Ave E	397	1/19/2012 13:35	1	Stairway 1		B	Baluster	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.69	1	GM
771 Geranium Ave E	398	1/19/2012 13:36	1	Stairway 1		B	Stair Tread	Wood	Poor	Varnish	Neg	0.2	0.2	< LOD	2.68	1.34	GM
771 Geranium Ave E	399	1/19/2012 13:37	1	Stairway 1			Floor	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.69	1	GM
771 Geranium Ave E	400	1/19/2012 13:38	1	Kitchen		A	Door Jamb	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.71	1.44	GM
771 Geranium Ave E	401	1/19/2012 13:38	1	Kitchen		B	Door	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.68	1.48	GM
771 Geranium Ave E	402	1/19/2012 13:39	1	Kitchen		B	Baseboard	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.67	1	GM
771 Geranium Ave E	403	1/19/2012 13:39	1	Kitchen		B	Chir Rail	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.69	2.31	GM
771 Geranium Ave E	404	1/19/2012 13:40	1	Kitchen		B	Cornice	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.69	1.03	GM
771 Geranium Ave E	405	1/19/2012 13:41	1	Kitchen		A	Cabinet Door	Wood	Intact	Varnish	Neg	< LOD	< LOD	< LOD	2.68	1	GM
771 Geranium Ave E	406	1/19/2012 13:41	1	Kitchen		B	Cabinet Face	Wood	Intact	Varnish	Neg	< LOD	< LOD	< LOD	2.7	1	GM
771 Geranium Ave E	407	1/19/2012 13:42	1	Kitchen		B	Cabinet in	Plaster	Intact	Tan	Neg	< LOD	< LOD	< LOD	2.68	1	GM
771 Geranium Ave E	408	1/19/2012 13:43	1	Kitchen		B	Window Casing	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.69	1.57	GM
771 Geranium Ave E	409	1/19/2012 13:43	1	Kitchen		B	Window Sash	Vinyl	Intact	White	Neg	< LOD	< LOD	< LOD	2.89	1	GM
771 Geranium Ave E	410	1/19/2012 13:44	1	Kitchen		C	Door	Wood	Poor	Varnish	Neg	< LOD	< LOD	< LOD	2.67	2.87	GM
771 Geranium Ave E	411	1/19/2012 13:44	1	Kitchen		C	Door Casing	Wood	Poor	Varnish	Neg	< LOD	< LOD	< LOD	2.7	1	GM
771 Geranium Ave E	412	1/19/2012 13:45	1	Kitchen		C	Window Casing	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	4.13	1	GM
771 Geranium Ave E	413	1/19/2012 13:45	1	Kitchen		C	Window Sash	Wood	Poor	Varnish	Neg	< LOD	< LOD	< LOD	2.69	1	GM
771 Geranium Ave E	414	1/19/2012 13:46	1	Kitchen		D	Shelf	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.69	1	GM
771 Geranium Ave E	415	1/19/2012 13:47	1	Kitchen		D	Cabinet Door	Wood	Fair	White	Neg	< LOD	< LOD	< LOD	2.69	1.57	GM
771 Geranium Ave E	416	1/19/2012 13:47	1	Kitchen		D	Cabinet Face	Wood	Fair	White	Neg	< LOD	< LOD	< LOD	2.49	2.01	GM
771 Geranium Ave E	417	1/19/2012 13:48	1	Kitchen		D	Cabinet Shelf	Wood	Poor	White	POS	4.3	4.3	3.8	3.93	2.1	GM
771 Geranium Ave E	418	1/19/2012 13:48	1	Kitchen		D	Countertop	Ceramic	Intact	Blue	Neg	< LOD	< LOD	< LOD	2.7	1.43	GM
771 Geranium Ave E	419	1/19/2012 13:49	1	Kitchen		D	Cabinet In	Plaster	Intact	White	POS	22.1	10.1	22.1	2.07	4.51	GM
771 Geranium Ave E	420	1/19/2012 13:50	1	Kitchen		D	Wall	Plaster	Intact	Yellow	Neg	< LOD	< LOD	< LOD	3.71	1	GM
771 Geranium Ave E	421	1/19/2012 13:51	1	Kitchen		A	Wall	Plaster	Fair	Green	Neg	< LOD	< LOD	< LOD	4.75	9.15	GM
771 Geranium Ave E	422	1/19/2012 13:51	1	Kitchen		B	Wall	Plaster	Fair	Green	Neg	< LOD	< LOD	< LOD	3.31	1	GM
771 Geranium Ave E	423	1/19/2012 13:52	1	Kitchen		A	Wall	Drywall	Fair	Green	Neg	< LOD	< LOD	< LOD	3.3	1	GM
771 Geranium Ave E	424	1/19/2012 13:52	1	Kitchen		C	Wall	Drywall	Fair	Green	Neg	< LOD	< LOD	< LOD	3.5	1	GM
771 Geranium Ave E	425	1/19/2012 13:53	1	Kitchen		B	Radiator	Metal	Fair	White	Neg	< LOD	< LOD	< LOD	2.7	1.34	GM
771 Geranium Ave E	426	1/19/2012 13:53	1	Kitchen		B	Baseboard	Wood	Fair	White	Neg	< LOD	< LOD	< LOD	2.69	1.83	GM
771 Geranium Ave E	427	1/19/2012 13:54	1	Kitchen		B	Pipe	Wood	Fair	White	Neg	< LOD	< LOD	< LOD	2.69	1.31	GM
771 Geranium Ave E	428	1/19/2012 13:55	1	Kitchen			Floor	Vinyl	Poor	Green	Neg	0.23	0.23	< LOD	3.51	3.98	GM
771 Geranium Ave E	429	1/19/2012 13:56	1	Kitchen			Ceiling	Plaster	Intact	White	Neg	< LOD	< LOD	1	5.58	1.37	GM
771 Geranium Ave E	430	1/19/2012 13:56	1	Kitchen			Ceiling	Drywall	Intact	White	POS	3.4	< LOD	3.4	3.71	1	GM
771 Geranium Ave E	431	1/19/2012 13:58	1	Kitchen		C	Miniblind	Metal	Intact	White	Neg	< LOD	< LOD	< LOD	2.48	1	GM
771 Geranium Ave E	432	1/19/2012 14:00	1	Dining		B	Door Casing	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.69	1.03	GM
771 Geranium Ave E	433	1/19/2012 14:00	1	Dining		B	Baseboard	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.68	1.02	GM
771 Geranium Ave E	434	1/19/2012 14:01	1	Dining		D	Window Jamb	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.68	1	GM
771 Geranium Ave E	435	1/19/2012 14:01	1	Dining		D	Miniblind	Vinyl	Intact	Bone	Neg	< LOD	< LOD	< LOD	3.31	1	GM
771 Geranium Ave E	436	1/19/2012 14:02	1	Dining		D	Miniblind	Vinyl	Intact	Bone	Neg	< LOD	< LOD	< LOD	2.69	1	GM

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Site	XRF #	Date/Time	Floor	Room	Rm #	Side	Component	Substrate	Condition	Color	Results	PbC	PbL	PbK	Duration	Depth	Insp
771 Geranium Ave E	437	1/19/2012 14:03	1	Dining		D	Wall	Plaster	Intact	Purple	Neg	< LOD	< LOD	< LOD	5.57	1.83	GM
771 Geranium Ave E	438	1/19/2012 14:03	1	Dining		B	Wall	Plaster	Intact	Purple	Neg	< LOD	< LOD	< LOD	3.71	1	GM
771 Geranium Ave E	439	1/19/2012 14:03	1	Dining		C	Wall	Plaster	Intact	Purple	Neg	< LOD	< LOD	< LOD	3.92	8.82	GM
771 Geranium Ave E	440	1/19/2012 14:04	1	Dining		C	Radiator	Metal	Fair	White	Neg	< LOD	< LOD	< LOD	4.15	1.49	GM
771 Geranium Ave E	441	1/19/2012 14:05	1	Dining		C	Radiator cab	Wood	Fair	White	Neg	< LOD	< LOD	< LOD	3.52	5.03	GM
771 Geranium Ave E	442	1/19/2012 14:06	1	Dining		C	Radiator cab	Metal	Fair	Purple	Neg	< LOD	< LOD	< LOD	2.68	1	GM
771 Geranium Ave E	443	1/19/2012 14:06	1	Dining			Floor	Wood	Poor	Varnish	Neg	< LOD	< LOD	< LOD	2.69	1	GM
771 Geranium Ave E	444	1/19/2012 14:07	1	Dining			Ceiling	Plaster	Intact	White	Neg	0.6	< LOD	0.6	6.01	1	GM
771 Geranium Ave E	445	1/19/2012 14:08	1	Living Room			Ceiling	Plaster	Intact	White	Neg	< LOD	< LOD	< LOD	3.92	7.19	GM
771 Geranium Ave E	446	1/19/2012 14:09	1	Living Room		B	Wall	Plaster	Fair	Purple	Neg	< LOD	< LOD	< LOD	3.5	1.19	GM
771 Geranium Ave E	447	1/19/2012 14:09	1	Living Room		D	Wall	Plaster	Fair	Purple	Neg	< LOD	< LOD	< LOD	5.76	1.4	GM
771 Geranium Ave E	448	1/19/2012 14:10	1	Living Room		A	Wall	Plaster	Intact	Purple	Neg	< LOD	< LOD	< LOD	5.78	1	GM
771 Geranium Ave E	449	1/19/2012 14:10	1	Living Room		A	Window Casing	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.67	1.31	GM
771 Geranium Ave E	450	1/19/2012 14:11	1	Living Room		A	Baseboard	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.69	1	GM
771 Geranium Ave E	451	1/19/2012 14:11	1	Living Room		A	Radiator	Metal	Fair	White	Neg	< LOD	< LOD	< LOD	2.89	4.5	GM
771 Geranium Ave E	452	1/19/2012 14:12	1	Living Room		A	Radiator cab	Wood	Fair	White	Neg	< LOD	< LOD	< LOD	2.67	2.22	GM
771 Geranium Ave E	453	1/19/2012 14:22	1	Living Room		A	Rad. Cab Trim	Wood	Fair	White	Neg	< LOD	< LOD	< LOD	6.21	3.7	GM
771 Geranium Ave E	454	1/19/2012 14:23	2	Stairway 1		B	Trim	Wood	Intact	Varnish	Neg	< LOD	< LOD	< LOD	2.69	1	GM
771 Geranium Ave E	455	1/19/2012 14:24	2	Stairway 1		A	Hand Rail	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.69	3.13	GM
771 Geranium Ave E	456	1/19/2012 14:25	2	Stairway 1		A	Stair Skirt	Wood	Poor	Varnish	Neg	< LOD	< LOD	< LOD	2.69	2.51	GM
771 Geranium Ave E	457	1/19/2012 14:26	2	Stairway 1		A	Wall	Plaster	Fair	White	Neg	< LOD	< LOD	< LOD	4.76	3.27	GM
771 Geranium Ave E	458	1/19/2012 14:26	2	Stairway 1		C	Wall	Plaster	Fair	White	Neg	< LOD	< LOD	< LOD	4.12	1	GM
771 Geranium Ave E	459	1/19/2012 14:26	2	Stairway 1		B	Wall	Plaster	Fair	White	Neg	< LOD	< LOD	< LOD	4.12	1	GM
771 Geranium Ave E	460	1/19/2012 14:27	2	Stairway 1		D	Wall	Plaster	Fair	White	Neg	< LOD	< LOD	< LOD	3.5	1.26	GM
771 Geranium Ave E	461	1/19/2012 14:27	2	Stairway 1		D	Door Casing	Wood	Fair	White	POS	15.6	8.2	15.6	2.05	8.85	GM
771 Geranium Ave E	462	1/19/2012 14:28	2	Stairway 1		A	Door Casing	Wood	Fair	White	POS	18.6	< LOD	18.6	2.06	9	GM
771 Geranium Ave E	463	1/19/2012 14:28	2	Stairway 1		B	Baseboard	Wood	Fair	White	POS	16.4	6	16.4	2.05	7.91	GM
771 Geranium Ave E	464	1/19/2012 14:29	2	Stairway 1			Floor	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.69	1.18	GM
771 Geranium Ave E	465	1/19/2012 14:30	2	Stairway 1			Ceiling	Plaster	Intact	White	Neg	< LOD	< LOD	< LOD	4.11	1	GM
771 Geranium Ave E	466	1/19/2012 14:50	2	Bedroom 1		C	Door	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.7	1.51	GM
771 Geranium Ave E	467	1/19/2012 14:51	2	Bedroom 1		C	Door Casing	Wood	Fair	Varnish	Neg	0.28	0.28	< LOD	4.15	1.1	GM
771 Geranium Ave E	468	1/19/2012 14:51	2	Bedroom 1		C	Baseboard	Wood	Fair	Varnish	Neg	0.4	0.4	< LOD	2.69	1.21	GM
771 Geranium Ave E	469	1/19/2012 14:51	2	Bedroom 1		A	Window Casing	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.68	1.98	GM
771 Geranium Ave E	470	1/19/2012 14:52	2	Bedroom 1			Floor	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.68	1	GM
771 Geranium Ave E	471	1/19/2012 14:52	2	Bedroom 1		A	Window Sash	Vinyl	Intact	White	Neg	< LOD	< LOD	< LOD	3.52	1	GM
771 Geranium Ave E	472	1/19/2012 14:54	2	Bedroom 1		B	Radiator	Metal	Fair	White	POS	1.2	1.2	1.2	11.79	3.15	GM
771 Geranium Ave E	473	1/19/2012 14:55	2	Bedroom 1		B	Clst dr	Wood	Fair	White	POS	11.5	6.6	11.5	2.28	10	GM
771 Geranium Ave E	474	1/19/2012 14:55	2	Bedroom 1		B	Clst jamb	Wood	Fair	White	POS	12.1	5	12.1	2.26	8.41	GM
771 Geranium Ave E	475	1/19/2012 14:55	2	Bedroom 1		B	Clst baseboard	Wood	Fair	White	Neg	< LOD	< LOD	< LOD	2.9	2.55	GM
771 Geranium Ave E	476	1/19/2012 14:56	2	Bedroom 1		B	Clst shelf	Wood	Fair	White	Neg	< LOD	< LOD	< LOD	2.69	1	GM

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Site	XRF #	Date/Time	Floor	Room	Rm #	Side	Component	Substrate	Condition	Color	Results	PbC	PbL	PbK	Duration	Depth	Insp.
771 Geranium Ave E	477	1/19/2012 14:57	2	Bedroom 1		B	Clst shelf sup	Wood	Fair	White	Neg	< LOD	< LOD	< LOD	2.67	3.96	GM
771 Geranium Ave E	478	1/19/2012 14:57	2	Bedroom 1		B	Clst wall	Plaster	Intact	White	Neg	0.19	0.19	< LOD	4.55	3.19	GM
771 Geranium Ave E	479	1/19/2012 15:01	2	Bedroom 1		B	Clst pole	Wood	Poor	White	Neg	< LOD	< LOD	< LOD	2.69	2.16	GM
771 Geranium Ave E	480	1/19/2012 15:01	2	Bedroom 1		C	Wall	Plaster	Fair	White	Neg	< LOD	< LOD	< LOD	4.95	6.02	GM
771 Geranium Ave E	481	1/19/2012 15:02	2	Bedroom 1		D	Wall	Plaster	Fair	White	Neg	< LOD	< LOD	< LOD	4.36	4.67	GM
771 Geranium Ave E	482	1/19/2012 15:02	2	Bedroom 1		A	Wall	Plaster	Fair	White	Neg	< LOD	< LOD	< LOD	5.8	3.8	GM
771 Geranium Ave E	483	1/19/2012 15:03	2	Bedroom 1		B	Wall	Plaster	Fair	White	Neg	< LOD	< LOD	< LOD	3.72	2.7	GM
771 Geranium Ave E	484	1/19/2012 15:03	2	Bedroom 1			Ceiling	Plaster	Fair	White	Neg	< LOD	< LOD	< LOD	4.75	3.85	GM
771 Geranium Ave E	485	1/19/2012 15:05	2	Bathroom 1		D	Door	Wood	Fair	White	POS	18.6	7	18.6	2.9	10	GM
771 Geranium Ave E	486	1/19/2012 15:06	2	Bathroom 1		D	Door Casing	Wood	Fair	White	Neg	0.8	0.8	1.2	4.96	1.7	GM
771 Geranium Ave E	487	1/19/2012 15:06	2	Bathroom 1		D	Baseboard	Wood	Fair	White	POS	21.7	3.8	21.7	2.07	3.06	GM
771 Geranium Ave E	488	1/19/2012 15:07	2	Bathroom 1		A	Cabinet Shelf	Wood	Fair	White	Neg	0.4	0.4	< LOD	2.69	1.65	GM
771 Geranium Ave E	489	1/19/2012 15:07	2	Bathroom 1		A	Cabinet Slf sup	Wood	Fair	White	Neg	< LOD	< LOD	< LOD	2.69	3.47	GM
771 Geranium Ave E	490	1/19/2012 15:08	2	Bathroom 1		A	Cabinet Door	Wood	Intact	White	Neg	< LOD	< LOD	< LOD	2.69	1	GM
771 Geranium Ave E	491	1/19/2012 15:08	2	Bathroom 1		A	Cabinet Face	Wood	Intact	White	Neg	< LOD	< LOD	< LOD	2.69	1	GM
771 Geranium Ave E	492	1/19/2012 15:09	2	Bathroom 1		B	Window Casing	Wood	Intact	White	Neg	0.5	0.5	< LOD	5.58	1.98	GM
771 Geranium Ave E	493	1/19/2012 15:10	2	Bathroom 1		C	Shelf	Wood	Intact	White	Neg	< LOD	< LOD	< LOD	2.68	1	GM
771 Geranium Ave E	494	1/19/2012 15:11	2	Bathroom 1		C	Shelf sup	Wood	Intact	White	Neg	< LOD	< LOD	< LOD	2.69	1	GM
771 Geranium Ave E	495	1/19/2012 15:11	2	Bathroom 1		C	Cornice	Wood	Intact	White	Neg	< LOD	< LOD	< LOD	2.68	1	GM
771 Geranium Ave E	496	1/19/2012 15:12	2	Bathroom 1		C	Wall	Plaster	Intact	White	Neg	< LOD	< LOD	< LOD	3.71	1	GM
771 Geranium Ave E	497	1/19/2012 15:12	2	Bathroom 1		D	Wall	Plaster	Intact	White	POS	8.2	< LOD	8.2	2.47	10	GM
771 Geranium Ave E	498	1/19/2012 15:12	2	Bathroom 1		A	Wall	Plaster	Fair	White	Neg	< LOD	< LOD	< LOD	3.32	2.15	GM
771 Geranium Ave E	499	1/19/2012 15:13	2	Bathroom 1		B	Wall	Plaster	Intact	White	Neg	< LOD	< LOD	< LOD	4.75	2.42	GM
771 Geranium Ave E	500	1/19/2012 15:13	2	Bathroom 1			Ceiling	Plaster	Intact	White	POS	10.2	1.3	10.2	3.71	10	GM
771 Geranium Ave E	501	1/19/2012 15:14	2	Bathroom 1		B	Miniblind	Vinyl	Intact	White	Neg	< LOD	< LOD	< LOD	4.53	1.25	GM
771 Geranium Ave E	502	1/19/2012 15:15	2	Bathroom 1			Floor	Vinyl	Intact	Beige	Neg	< LOD	< LOD	< LOD	3.72	1	GM
771 Geranium Ave E	503	1/19/2012 15:15	2	Bathroom 1			Floor	Vinyl	Intact	Purple	Neg	< LOD	< LOD	< LOD	4.12	1	GM
771 Geranium Ave E	504	1/19/2012 15:16	2	Bedroom 2		A	Door	Wood	Fair	White	POS	4.4	4.4	4.7	2.69	4.7	GM
771 Geranium Ave E	505	1/19/2012 15:17	2	Bedroom 2		A	Door Casing	Wood	Fair	White	POS	6	6.7	6	2.69	5.17	GM
771 Geranium Ave E	506	1/19/2012 15:17	2	Bedroom 2		A	Baseboard	Wood	Fair	White	POS	5.8	6.1	5.8	2.47	6.41	GM
771 Geranium Ave E	507	1/19/2012 15:18	2	Bedroom 2		B	Radiator cover	Wood	Fair	White	Neg	< LOD	< LOD	< LOD	2.68	1.73	GM
771 Geranium Ave E	508	1/19/2012 15:19	2	Bedroom 2		C	Window Casing	Wood	Poor	White	POS	6.4	6.3	6.4	2.48	5.42	GM
771 Geranium Ave E	509	1/19/2012 15:20	2	Bedroom 2		C	Attic Hatch	Wood	Fair	White	POS	19.3	< LOD	19.3	2.07	10	GM
771 Geranium Ave E	510	1/19/2012 15:20	2	Bedroom 2		C	Attic Casing	Wood	Fair	White	POS	23	< LOD	23	2.07	7.82	GM
771 Geranium Ave E	511	1/19/2012 15:21	2	Bedroom 2		A	Wall	Plaster	Intact	Yellow	Neg	< LOD	< LOD	< LOD	3.08	1	GM
771 Geranium Ave E	512	1/19/2012 15:22	2	Bedroom 2		B	Wall	Plaster	Intact	Yellow	Neg	< LOD	< LOD	< LOD	3.1	2.77	GM
771 Geranium Ave E	513	1/19/2012 15:22	2	Bedroom 2		C	Wall	Plaster	Fair	Yellow	Neg	< LOD	< LOD	< LOD	3.51	1	GM
771 Geranium Ave E	514	1/19/2012 15:23	2	Bedroom 2		D	Wall	Plaster	Intact	Yellow	Neg	< LOD	< LOD	< LOD	3.72	1	GM
771 Geranium Ave E	515	1/19/2012 15:24	2	Bedroom 2			Floor	Carpet	Intact	Grey	Neg	< LOD	< LOD	< LOD	2.69	1.87	GM
771 Geranium Ave E	516	1/19/2012 15:25	2	Bedroom 2			Ceiling	Plaster	Intact	White	Neg	< LOD	< LOD	< LOD	3.53	4.68	GM

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Site	XRF #	Date/Time	Floor	Room #	Rm #	Side	Component	Substrate	Condition	Color	Results	PbC	PbL	PbK	Duration	Depth	Insp.
771 Geranium Ave E	517	1/19/2012 15:25	2	Bedroom 2		D	Clst jamb	Wood	Intact	White	POS	23.3	< LOD	23.3	2.07	9.92	GM
771 Geranium Ave E	518	1/19/2012 15:26	2	Bedroom 2		D	Clst baseboard	Wood	Intact	White	POS	8.9	9.4	8.9	3.29	3.27	GM
771 Geranium Ave E	519	1/19/2012 15:27	2	Bedroom 2		D	Clst Shelf	Wood	Intact	White	POS	3.3	3.3	3.8	2.48	2.26	GM
771 Geranium Ave E	520	1/19/2012 15:27	2	Bedroom 2		D	Clst Shelf sup	Wood	Intact	White	POS	4.8	4.8	5.1	2.69	3.95	GM
771 Geranium Ave E	521	1/19/2012 15:28	2	Bedroom 2		D	Clst Shelf sup	Wood	Intact	White	POS	33.9	< LOD	33.9	2.08	5.81	GM
771 Geranium Ave E	522	1/19/2012 15:28	2	Bedroom 2		D	Clst pole	Metal	Intact	White	Neg	0.29	0.29	< LOD	3.1	1.55	GM
771 Geranium Ave E	523	1/19/2012 15:29	2	Bedroom 2		D	Clst wall	Plaster	Intact	White	POS	5.5	6.3	5.5	2.48	3.89	GM
771 Geranium Ave E	524	1/19/2012 15:31	2	Bedroom 3		B	Door	Wood	Fair	White	POS	15.2	5	15.2	2.07	8.93	GM
771 Geranium Ave E	525	1/19/2012 15:31	2	Bedroom 3		B	Door Jamb	Wood	Fair	White	POS	15.9	10.1	15.9	3.51	7.68	GM
771 Geranium Ave E	526	1/19/2012 15:32	2	Bedroom 3		B	Baseboard	Wood	Fair	White	POS	22.3	10.1	22.3	2.06	6.59	GM
771 Geranium Ave E	527	1/19/2012 15:33	2	Bedroom 3		D	Window Casing	Wood	Fair	White	POS	22.7	9.8	22.7	2.07	7.64	GM
771 Geranium Ave E	528	1/19/2012 15:34	2	Bedroom 3		C	Radiator	Metal	Fair	White	POS	1.2	1.2	1.5	11.11	3.16	GM
771 Geranium Ave E	529	1/19/2012 15:35	2	Bedroom 3		B	Wall	Plaster	Intact	Orange	Neg	< LOD	< LOD	< LOD	3.93	2.03	GM
771 Geranium Ave E	530	1/19/2012 15:35	2	Bedroom 3		C	Wall	Plaster	Intact	Orange	Neg	< LOD	< LOD	< LOD	3.5	1	GM
771 Geranium Ave E	531	1/19/2012 15:36	2	Bedroom 3		D	Wall	Plaster	Intact	Orange	Neg	< LOD	< LOD	< LOD	4.11	1	GM
771 Geranium Ave E	532	1/19/2012 15:36	2	Bedroom 3		A	Wall	Plaster	Intact	Orange	Neg	< LOD	< LOD	< LOD	4.11	1	GM
771 Geranium Ave E	533	1/19/2012 15:37	2	Bedroom 3			Floor	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.68	1.3	GM
771 Geranium Ave E	534	1/19/2012 15:38	2	Bedroom 3			Ceiling tile	Press Fiber	Fair	White	Neg	< LOD	< LOD	< LOD	2.69	1	GM
771 Geranium Ave E	535	1/19/2012 15:39	2	Bedroom 3		A	Clst door	Wood	Fair	White	POS	12	6.5	12	2.07	7.04	GM
771 Geranium Ave E	536	1/19/2012 15:40	2	Bedroom 3		A	Clst jamb	Wood	Fair	White	POS	10.5	8.3	10.5	3.91	7.19	GM
771 Geranium Ave E	537	1/19/2012 15:40	2	Bedroom 3		A	Clst shelf	Wood	Fair	White	Neg	< LOD	< LOD	< LOD	2.69	7.61	GM
771 Geranium Ave E	538	1/19/2012 15:41	2	Bedroom 3		A	Clst shelf	Wood	Fair	White	Neg	< LOD	< LOD	< LOD	2.67	6.59	GM
771 Geranium Ave E	539	1/19/2012 15:41	2	Bedroom 3		A	Clst shelf sup	Wood	Fair	White	Neg	< LOD	< LOD	< LOD	2.68	2.61	GM
771 Geranium Ave E	540	1/19/2012 15:42	2	Bedroom 3		A	Clst baseboard	Wood	Fair	White	Neg	< LOD	< LOD	< LOD	2.68	2.06	GM
771 Geranium Ave E	541	1/19/2012 15:43	2	Bedroom 3		A	Clst pole	Metal	Poor	White	Null	0.7	< LOD	0.7	22.37	10	GM
771 Geranium Ave E	542	1/19/2012 15:44	2	Bedroom 3		A	Clst pole	Metal	Poor	White	Neg	< LOD	< LOD	< LOD	2.68	2.28	GM
771 Geranium Ave E	543	1/19/2012 15:45	2	Bedroom 3		A	Clst wall	Plaster	Intact	White	Neg	< LOD	< LOD	< LOD	4.54	4.8	GM
771 Geranium Ave E	544	1/19/2012 15:53	1	Stairway 0		D	Door	Metal	Intact	Grey	Neg	< LOD	< LOD	< LOD	2.67	3.3	GM
771 Geranium Ave E	545	1/19/2012 15:54	1	Stairway 0		D	Door Jamb	Metal	Fair	White	Neg	< LOD	< LOD	< LOD	2.69	1.64	GM
771 Geranium Ave E	546	1/19/2012 15:54	1	Stairway 0		B	Door	Metal	Poor	White	POS	14.8	9.5	14.8	2.06	5.31	GM
771 Geranium Ave E	547	1/19/2012 15:55	1	Stairway 0		B	Door Casing	Wood	Poor	White	POS	17.5	7.5	17.5	2.07	4.79	GM
771 Geranium Ave E	548	1/19/2012 15:55	1	Stairway 0		B	Threshold	Wood	Poor	White	POS	2.9	2.9	4.3	2.89	3.24	GM
771 Geranium Ave E	549	1/19/2012 15:56	1	Stairway 0		B	Cornice	Wood	Poor	White	POS	18.1	< LOD	18.1	2.06	4.17	GM
771 Geranium Ave E	550	1/19/2012 15:56	1	Stairway 0		B	Shelf	Wood	Poor	White	POS	20.1	< LOD	20.1	2.08	4.64	GM
771 Geranium Ave E	551	1/19/2012 15:57	1	Stairway 0			Stair Tread	Wood	Poor	Red	POS	4.8	4.8	7.8	2.27	3	GM
771 Geranium Ave E	552	1/19/2012 15:58	1	Stairway 0		D	Stair Riser	Wood	Poor	Red	POS	7.6	6.7	7.6	2.47	3.85	GM
771 Geranium Ave E	553	1/19/2012 15:58	1	Stairway 0		D	Wall	Plaster	Poor	White	POS	10.1	10.1	10.1	2.48	5.6	GM
771 Geranium Ave E	554	1/19/2012 15:59	1	Stairway 0		A	Wall	Plaster	Poor	White	POS	8.6	9.3	8.6	2.27	4.8	GM
771 Geranium Ave E	555	1/19/2012 15:59	1	Stairway 0		B	Wall	Plaster	Poor	White	POS	9.7	10.1	9.7	2.47	4.28	GM
771 Geranium Ave E	556	1/19/2012 15:59	1	Stairway 0		C	Wall	Plaster	Fair	White	POS	11.8	< LOD	11.8	2.28	4.45	GM

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771 Geranium Ave. E
St. Paul MN

Site	XRF #	Date/Time	Floor	Room	Rm #	Side	Component	Substrate	Condition	Color	Results	PbC	PbL	PbK	Duration	Depth	Insp.
771 Geranium Ave E	557	1/19/2012 16:15	1	Stairway 0		C	Baseboard	Wood	Poor	White	POS	10.1	9	10.1	2.29	5.3	GM
771 Geranium Ave E	558	1/19/2012 16:16	1	Stairway 0		C	Coat Rack	Wood	Poor	White	Neg	0.3	0.3	1.1	7.23	7.63	GM
771 Geranium Ave E	559	1/19/2012 16:17	1	Stairway 0			Ceiling	Plaster	Fair	White	POS	11.1	10.1	11.1	3.72	3.98	GM
771 Geranium Ave E	560	1/19/2012 16:18	0	Stairway 0			Stair Tread	Wood	Poor	Red	POS	7.7	6.6	7.7	2.26	3.55	GM
771 Geranium Ave E	561	1/19/2012 16:19	0	Room 1		B	Wall	Concrete	Poor	Grey	Neg	< LOD	< LOD	< LOD	4.32	1	GM
771 Geranium Ave E	562	1/19/2012 16:19	0	Room 1		C	Wall	Concrete	Poor	Green	Neg	< LOD	< LOD	< LOD	4.53	1	GM
771 Geranium Ave E	563	1/19/2012 16:20	0	Room 1		D	Wall	Concrete	Poor	Grey	Neg	< LOD	< LOD	< LOD	5.77	1.53	GM
771 Geranium Ave E	564	1/19/2012 16:20	0	Room 1		A	Wall	Concrete	Poor	Grey	Neg	< LOD	< LOD	< LOD	2.88	1	GM
771 Geranium Ave E	565	1/19/2012 16:21	0	Room 1		B	Wall	Wood	Poor	White	Neg	< LOD	< LOD	< LOD	2.69	1	GM
771 Geranium Ave E	566	1/19/2012 16:22	0	Room 1		A	Wall	Wood	Poor	White	Neg	< LOD	< LOD	< LOD	2.69	1	GM
771 Geranium Ave E	567	1/19/2012 16:22	0	Room 1		A	Chimney	Brick	Poor	Grey	Neg	< LOD	< LOD	< LOD	5.37	1.82	GM
771 Geranium Ave E	568	1/19/2012 16:23	0	Room 1		A	Column	Wood	Fair	White	Neg	< LOD	< LOD	< LOD	2.7	3.22	GM
771 Geranium Ave E	569	1/19/2012 16:24	0	Room 1		A	Support Beam	Wood	Poor	White	Neg	< LOD	< LOD	< LOD	2.69	1.44	GM
771 Geranium Ave E	570	1/19/2012 16:25	0	Room 1			Ceiling	Wood	Poor	White	Neg	< LOD	< LOD	< LOD	2.69	1.2	GM
771 Geranium Ave E	571	1/19/2012 16:25	0	Room 1			Floor	Concrete	Fair	Grey	Neg	< LOD	< LOD	< LOD	3.93	2.87	GM
771 Geranium Ave E	572	1/19/2012 16:26	0	Room 1		B	Window Casing	Wood	Fair	White	POS	4.6	2.9	4.6	2.68	7.32	GM
771 Geranium Ave E	573	1/19/2012 16:27	0	Room 1		D	Window Sash	Wood	Fair	White	POS	4	4	3.6	2.28	2.08	GM
771 Geranium Ave E	574	1/19/2012 16:27	0	Room 1		C	Window Sash	Wood	Fair	Grey	Neg	< LOD	< LOD	< LOD	2.69	1.43	GM
771 Geranium Ave E	575	1/19/2012 16:28	0	Room 1		C	Electrical Box	Metal	Intact	Grey	Neg	< LOD	< LOD	< LOD	2.89	1.46	GM
771 Geranium Ave E	576	1/19/2012 16:28	0	Room 1		A	Door	Wood	Fair	Brown	Neg	< LOD	< LOD	< LOD	2.68	1	GM
771 Geranium Ave E	577	1/19/2012 16:29	0	Bathroom 2		C	Door	Wood	Fair	Varnish	Neg	< LOD	< LOD	< LOD	2.69	1	GM
771 Geranium Ave E	578	1/19/2012 16:30	0	Bathroom 2		D	Wall	Wood	Fair	White	Neg	< LOD	< LOD	< LOD	2.69	1	GM
771 Geranium Ave E	579	1/19/2012 16:30	0	Bathroom 2		A	Baseboard	Wood	Fair	White	POS	8.9	10.1	8.9	3.51	2.3	GM
771 Geranium Ave E	580	1/19/2012 16:31	0	Bathroom 2		B	Wall	Concrete	Intact	White	Neg	0.16	0.16	< LOD	4.76	4.06	GM
771 Geranium Ave E	581	1/19/2012 16:32	0	Bathroom 2			Floor	Concrete	Intact	Grey	Neg	< LOD	< LOD	< LOD	4.14	3.81	GM
771 Geranium Ave E	582	1/19/2012 16:32	0	Bathroom 2		A	Pipe	Metal	Fair	Grey	Neg	0.4	0.4	< LOD	2.69	1.42	GM
771 Geranium Ave E	583	1/19/2012 16:33	0	Room 1			Pipe	Metal	Fair	Grey	POS	8.5	8.2	8.5	2.07	1.83	GM
771 Geranium Ave E	584	1/19/2012 16:34	0	Room 1		A	Laundry tub	Concrete	Fair	Green	Neg	< LOD	< LOD	< LOD	4.54	1	GM
771 Geranium Ave E	585	1/19/2012 16:50	0	Room 1		A	Laund. Tub legs	Concrete	Fair	Green	Neg	< LOD	< LOD	< LOD	2.68	1.21	GM
771 Geranium Ave E	586	1/19/2012 16:52	1	Outside		A	Door	Metal	Fair	White	Neg	< LOD	< LOD	< LOD	2.69	1.5	GM
771 Geranium Ave E	587	1/19/2012 16:52	1	Outside		A	Door Casing	Metal	Intact	White	Neg	< LOD	< LOD	< LOD	2.68	1.99	GM
771 Geranium Ave E	588	1/19/2012 16:52	1	Outside		A	Window Casing	Metal	Intact	White	Null	< LOD	< LOD	< LOD	2.49	10	GM
771 Geranium Ave E	589	1/19/2012 16:53	1	Outside		A	Window Casing	Metal	Intact	White	Null	< LOD	< LOD	< LOD	2.48	10	GM
771 Geranium Ave E	590	1/19/2012 16:53	1	Outside		A	Window Casing	Metal	Intact	White	POS	14.7	2	14.7	3.71	10	GM
771 Geranium Ave E	591	1/19/2012 16:55	1	Outside		A	Hand Rail	Metal	Intact	Black	Neg	< LOD	< LOD	< LOD	2.69	1	GM
771 Geranium Ave E	592	1/19/2012 16:55	1	Outside		A	Siding	Wood	Poor	Grey	POS	11.8	10.1	11.8	2.06	3.91	GM
771 Geranium Ave E	593	1/19/2012 16:56	1	Outside		B	Siding	Wood	Poor	Grey	POS	13.4	9.1	13.4	2.06	2.03	GM
771 Geranium Ave E	594	1/19/2012 16:56	1	Outside		C	Siding	Wood	Poor	Grey	POS	15.5	10.1	15.5	2.07	3.04	GM
771 Geranium Ave E	595	1/19/2012 16:57	1	Outside		D	Siding	Wood	Poor	White	POS	9.7	6.3	9.7	2.08	2	GM
771 Geranium Ave E	596	1/19/2012 16:57	1	Outside		D	Window Casing	Metal	Intact	White	POS	28	< LOD	28	2.06	10	GM

All Phase Companies
771 Geranium Ave. E
St. Paul MN

Site	XRF #	Date/Time	Floor	Room	Row#	Side	Component	Substrate	Condition	Color	Results	PbC	PbT	PbK	Duration	Depth	Insp.
771 Geranium Ave E	597	1/19/2012 16:58	1	Outside		D	Cellar wndw	Metal	Intact	White	POS	2.7	1.3	2.7	3.72	1.59	GM
771 Geranium Ave E	598	1/19/2012 17:00	1	Outside		D	Fundation	Concrete	Intact	Grey	Neg	< LOD	< LOD	0.9	21.68	2.36	GM
771 Geranium Ave E	599	1/19/2012 17:01	1	Outside		C	Hand Rail	Metal	Intact	Black	Neg	< LOD	< LOD	< LOD	2.69	1.15	GM
771 Geranium Ave E	600	1/19/2012 17:02	1	Outside		C	Door	Wood	Poor	Natural	Neg	0.29	0.29	< LOD	2.69	1.18	GM
771 Geranium Ave E	601	1/19/2012 17:03	1	Outside		C	Door Stop	Wood	Poor	White	POS	28.9	10.1	28.9	3.52	3.2	GM
771 Geranium Ave E	602	1/19/2012 17:03	1	Outside		C	Threshold	Wood	Poor	Grey	POS	6.4	6.5	6.4	2.47	4.24	GM
771 Geranium Ave E	603	1/19/2012 17:04	1	Outside		B	Door	Wood	Poor	White	POS	34.5	10.1	34.5	3.5	2.69	GM
771 Geranium Ave E	604	1/19/2012 17:14	1	Outside		A	Soffit	Metal	Intact	White	POS	8.2	< LOD	8.2	2.47	10	GM
771 Geranium Ave E	605	1/19/2012 17:15	1	Outside		A	Fascia	Metal	Intact	White	POS	11.7	< LOD	11.7	2.28	10	GM
771 Geranium Ave E	606	1/19/2012 17:16	1	Outside		A	Gutter	Metal	Intact	White	Neg	< LOD	< LOD	< LOD	2.9	1.25	GM
771 Geranium Ave E	607	1/19/2012 17:17	1	Outside		C	Downspout	Metal	Fair	White	Neg	< LOD	< LOD	< LOD	2.69	1	GM
771 Geranium Ave E	608	1/19/2012 17:19	1	Outside		C	Window Sash	Wood	Poor	White	POS	2.4	2.4	3.3	2.27	2.59	GM
771 Geranium Ave E	609	1/19/2012 17:20	1	Outside		C	Window Casing	Metal	Poor	White	POS	24.4	< LOD	24.4	2.05	10	GM
771 Geranium Ave E	610	1/19/2012 17:21	1	Garage		A	Door	Metal	Poor	Grey	Neg	< LOD	< LOD	< LOD	2.69	1	GM
771 Geranium Ave E	611	1/19/2012 17:22	1	Garage		A	Door Casing	Metal	Fair	White	Neg	< LOD	< LOD	< LOD	2.7	5.41	GM
771 Geranium Ave E	612	1/19/2012 17:22	1	Garage		A	Siding	Vinyl	Intact	Grey	Neg	< LOD	< LOD	< LOD	3.3	1	GM
771 Geranium Ave E	613	1/19/2012 17:23	1	Garage		B	Siding	Vinyl	Intact	Grey	Neg	< LOD	< LOD	< LOD	3.1	1	GM
771 Geranium Ave E	614	1/19/2012 17:24	1	Garage		C	Siding	Vinyl	Intact	Grey	Neg	< LOD	< LOD	< LOD	3.11	2.44	GM
	615	1/19/2012 17:30										2.55	0.38	0	163.1		
771 Germanium Ave R	616	1/19/2012 17:33					calibrate				POS	1.1	1.1	0.9	12.57	1.12	GM
771 Germanium Ave R	617	1/19/2012 17:34					calibrate				Null	1	1	0.6	14.03	1.06	GM
771 Germanium Ave R	618	1/19/2012 17:35					calibrate				POS	1.1	1.1	0.9	17.35	1.09	GM
771 Germanium Ave R	619	1/19/2012 17:36					calibrate				POS	1.1	1.1	0.8	14.46	1.09	GM
771 Germanium Ave R	620	1/19/2012 17:37	1	Garage		D	Siding	Vinyl	Intact	Grey	Neg	< LOD	< LOD	< LOD	3.3	2.08	GM
771 Germanium Ave R	621	1/19/2012 17:38	1	Garage		C	Overhead door	Metal	Intact	White	Neg	< LOD	< LOD	< LOD	2.7	1	GM
771 Germanium Ave R	622	1/19/2012 17:39	1	Garage		C	Door Stop	Metal	Intact	White	Neg	< LOD	< LOD	< LOD	2.68	4.76	GM
771 Germanium Ave R	623	1/19/2012 17:40	1	Garage		A	Gabel	Metal	Intact	White	Neg	< LOD	< LOD	< LOD	4.96	1	GM
771 Germanium Ave R	624	1/19/2012 17:41	1	Garage		A	Fascia	Metal	Intact	White	Neg	< LOD	< LOD	< LOD	2.69	1.84	GM
771 Germanium Ave R	625	1/19/2012 17:42	1	Garage		B	Soffit	Metal	Intact	White	Neg	< LOD	< LOD	< LOD	2.89	1.2	GM
771 Germanium Ave R	626	1/19/2012 17:45					calibrate				POS	1.1	1.1	0.8	17.96	1.1	GM
771 Germanium Ave R	627	1/19/2012 17:46					calibrate				POS	1.2	1.2	0.8	15.46	1.14	GM
771 Germanium Ave R	628	1/19/2012 17:47					calibrate				POS	1.1	1.1	0.7	16.53	1.08	GM

Description of Column Titles

Site: The sequential number of the site (homes or buildings) inspected on a particular day.

No: The sequential XRF sample number for a given site.

XL No/Map: The sample number recorded on the maps of a particular site.

Date: Date that the XRF sample was analyzed.

Time: Time of XRF sample analysis.

Floor: The sample location floor level (0 = basement, 1 = first floor, 2 = second floor).

Room: The specific location where the sample was analyzed on the site. Calibrate is also recorded in this column when appropriate.

Side: Side of the room based on sampling methodology as described earlier in this report. The only four sides that can be designated are **A, B, C,** and **D.**

Structure: This refers to the general building component that the test was performed on. It may also include modifications such as: upper, lower, exterior, interior, right, and left.

Feature: Specifies additional information about a structure.

Condition: Describes whether the surface being tested is **Intact:** good condition; **Fair:** less than 2 square feet of damage to large interior surface, i.e., wall, less than 10 square feet of damage to large exterior surface, i.e., outside walls, or less than 10% damage to small surface areas, i.e., baseboards, trim, etc.; **Poor:** more than 2 square feet of damage on large interior surfaces, more than 10 square feet of damage to large exterior surface areas, or more than 10% damage to small surface areas.

Substrate: Refers to the material that the structure was made of, i.e., wood, concrete, drywall, etc.

Color: Color of surface tested.

Result: The lead concentration in mg/cm^2 as determined with L-shell and K-shell X-ray data.

PbL(mg/cm^2): The lead concentration as determined with L-shell X-ray data.

RES: Results: POS - above action level, NEG - below action level.

PbK: The lead concentration in mg/cm^2 on the K-shell X-ray data spectrum.

PbC: The combined lead concentration in mg/cm^2 of the L-shell and K-shell X-ray data spectrum.

Depth: This is the index that is a qualitative indication of the depth of the lead in paint. As the number approaches 1, the lead is concentrated close to the top layers of paint. The largest number available for depth index is 10. The greater the number, the more likely interfering elements may have been detected.

Duration: The length of the XRF sample analysis in seconds.

Inspector: When multiple inspectors are used, this number indicates who sampled at the time indicated.

Note: This refers to any notes that were collected during the analysis of the particular sample. Then can be found on the field data sheet titled "Lead-Based Paint Inspection Data Page."

SAMPLING METHODOLOGY

Buildings were systematically inspected for lead-based paints. The **A** side of the building is the side facing the street. Starting from the **A** side, the other sides are lettered consecutively (**B, C, D**), going clockwise around the building.

Inside the unit, each floor was assigned a number starting with **0** for the basement, **1** for the first floor, and **2** for the second floor.

Some rooms that are unique in the building are named on the inspection report. These would include things like pantry, kitchen, halls, bathrooms, and staircases. If there is more than one of a certain type of named room, then they are numbered (e.g., staircases to basements are numbered staircase 1, while staircases to the second floor are labeled staircase 2). Room numbering starts in the **A-D** corner of the building and continues clockwise from that point.

Within each room of the building, each of the sides of the room are named. The naming of walls in a room, for instance, follows the same pattern as that used on the exterior of the building, namely, the street side of each room is labeled **A,** and then clockwise from that wall, walls are labeled **B, C, D**.

APPENDIX C

LABORATORY RESULTS
CHAIN-OF-CUSTODY

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Greg Myers**
Midwest Environmental Consulting, L.L.C.
125 Railroad Ave SW

Mora, MN 55051

Fax: (763) 691-0145 Phone: (763) 691-0111
Project: **502/0112L; 771 Geranium Ave. E, St Paul, MN**

Customer ID: MIDW56
Customer PO:
Received: 01/20/12 10:10 AM
EMSL Order: 351200365

EMSL Proj:

Test Report: Lead in Dust by Flame AAS (SW 846 3050B*/7000B)

Lab ID:	Analyzed	Area Sampled	RDL	Lead Concentration	Notes
0001	1/20/2012	144 in²	10 µg/ft²	12 µg/ft²	Site: Stair 1, Floor Side A, adj entry door
Client Sample 502/0112L-W1					*Collected:* 1/19/2012
0002	1/20/2012	144 in²	10 µg/ft²	100 µg/ft²	Site: Living Rm Side D, Floor under window
Client Sample 502/0112L-W2					*Collected:* 1/19/2012
0003	1/20/2012	36 in²	2000 µg/ft²	53000 µg/ft²	Site: Living Rm, Side D, Stool
Client Sample 502/0112L-W3					*Collected:* 1/19/2012
0004	1/20/2012	144 in²	250 µg/ft²	730 µg/ft²	Site: Kitchen, Side C, Floor adj entry door
Client Sample 502/0112L-W4					*Collected:* 1/19/2012
0005	1/20/2012	144 in²	10 µg/ft²	11 µg/ft²	Site: Bedroom 2, Side C, Floor under window
Client Sample 502/0112L-W5					*Collected:* 1/19/2012
0006	1/20/2012	36 in²	1000 µg/ft²	8100 µg/ft²	Site: Bedroom 2, Side C, Stool right
Client Sample 502/0112L-W6					*Collected:* 1/19/2012
0007	1/20/2012	144 in²	10 µg/ft²	18 µg/ft²	Site: Bedroom 3, Side D, Floor under window left
Client Sample 502/0112L-W7					*Collected:* 1/19/2012
0008	1/20/2012	36 in²	40 µg/ft²	580 µg/ft²	Site: Bedroom 3, Side D, Trough left
Client Sample 502/0112L-W8					*Collected:* 1/19/2012

Initial report from 01/20/2012 14:28:09

Rachel Travis, Laboratory Manager
or other approved signatory

Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. QC data associated with this sample set is within acceptable limits, unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. * slight modifications to methods applied.

Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn AIHA-LAP, LLC ELLAP 163162

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Greg Myers**
Midwest Environmental Consulting, L.L.C.
125 Railroad Ave SW

Mora, MN 55051

Fax: (763) 691-0145 Phone: (763) 691-0111
Project: **502/0112L; 771 Geranium Ave. E, St Paul, MN**

Customer ID: MIDW56
Customer PO:
Received: 01/20/12 10:10 AM
EMSL Order: 351200365

EMSL Proj:

Test Report: Lead in Dust by Flame AAS (SW 846 3050B*/7000B)

Lab ID:	*Analyzed*	*Area Sampled*	*RDL*	*Lead Concentration*	*Notes*
0009	1/20/2012	144 in²	10 µg/ft²	<10 µg/ft²	Site: Bedroom 5, Side A adj closet
Client Sample 502/0112L-W9					*Collected:* 1/19/2012

Initial report from 01/20/2012 14:28:09

Rachel Travis, Laboratory Manager
or other approved signatory

Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. QC data associated with this sample set is within acceptable limits, unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. * slight modifications to methods applied.

Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn AIHA-LAP, LLC ELLAP 163162

3512200365

365

Midwest Environmental Consulting, L.L.C.
125 Railroad Avenue SW • Mora, MN 55051
763-691-0111 / 320-679-4054
Fax: 763-691-0145 / 320-679-4442

Client Address:
Contact: Greg Myers

CHAIN OF CUSTODY

Project Number: 502/0112L
Client: All phase/City of St. Paul
Project: 771 Geranium Ave. E, St Paul, MN
Phone/Fax:

Sample ID	Sample Description	Collection Date/Time	Matrix (Vol./Area)	Analysis Requested
502/0112L-W1	Stair 1, Floor adj entry door Side A	01/19/12 4:50p	1 Ft2	Pb ug/Ft2
W2	Living Rm Side D, Floor adj bay window		1 Ft2	
W3	Living Rm, Side D, Stool		2" x 1 Ft	
W4	Kitchen, Side C, Floor adj entry door		1 Ft2	
W5	Bedroom 1, Side C, Floor window		~~2" x 18"~~ 1 Ft2	
W6	Bed. room 2, Side C Stool Right window		2" x 18"	
W7	Bedroom 3, Side D, Floor window left		1 Ft2	
W8	Bedroom 3, Side D Trough left		2" x 1 Ft	
W9	Bedroom 5, Side A adj closet	" 5:10	1 Ft2	"

Sampled by: Greg Cenyes Date: 01/19/12 Time: 4:50p 5:10p Delivered by: Greg Cenyes Date: 01/20/12 Time: 9:54a
Received by: Date: Time: WI Delivered by: Date: Time:
Received by Lab: Date: 1/20/12 Time: 10:10 AM Disposition of Samples:
Notes: required Field Blanks (3) included only ASTM water used
Please analyze @ 24 hour turnaround

Online Test Results

Test Number: Ok Help

Test Number: **6102561** Result: **0.8 pCi/l**

- This test was received for analysis on **03/16/2012**
- The total exposure time was **95 hours**
- Starting on **03/08/2012** at **9:00 am**
- Ending on **03/12/2012** at **9:00 am**

EPA Recommendations

The US EPA action level for indoor radon is 4.0 pCi/L. The EPA indicates that there is little sh in this range (0.6 to 1.9 pCi/L). However, because radon levels fluctuate daily, as well as sea retest during another season. Additionally, if you make any structural changes or start to use more frequently, you should test again.

Click here for EPA Radon Publications

Printed Reports?

Your formal written report is being mailed to the address entered into our computer when th purchased...OR...to the address that may have been printed on the sample packet by the en

You may use your Browser's print function to print out this abbreviated report or you have th our office to request a faxed copy. Additionally, you may click this link to send your request c box.

Click here to contact your state radon office

Online Test Results

Test Number: Ok Help

Test Number: **6102554** Result: **0.8 pCi/l**

- This test was received for analysis on **03/16/2012**
- The total exposure time was **95 hours**
- Starting on **03/08/2012** at **9:00 am**
- Ending on **03/12/2012** at **9:00 am**

EPA Recommendations

The US EPA action level for indoor radon is 4.0 pCi/L. The EPA indicates that there is little sh in this range (0.6 to 1.9 pCi/L). However, because radon levels fluctuate daily, as well as sea retest during another season. Additionally, if you make any structural changes or start to use more frequently, you should test again.

Click here for EPA Radon Publications

Printed Reports?

Your formal written report is being mailed to the address entered into our computer when th purchased...OR...to the address that may have been printed on the sample packet by the en

You may use your Browser's print function to print out this abbreviated report or you have th our office to request a faxed copy. Additionally, you may click this link to send your request c box.

Click here to contact your state radon office

Materials Pre-Purchased for: 771 Geranium Avenue

1. **All, Inc. Appliances**
   Refrigerator: FFHT2126LS/K Energy Star Rated 21 cu ft top mount refrigerator, stainless steel, with icemaker
   Range: FFGF3053LS Frigidaire 30" Free-Standing Gas Range, Self Clean, Clock
   Microwave/Hood: FFMV162LS Over the Range Micro/Hood, to be vented to exterior
   Dishwasher: FGHD2433KF Energy STAR 24" Built-In Dishwasher, including dishwasher cord
   Washer: FAFW3801LW Energy STAR Residential Front Load Washer
   Dryer: FAQG7001LW Residential Gas Dryer

2. **Lampert Roofing**
   Includes: GAF Elk Timberline 30 year HD shingles, Timbertex, Ice & Water shield and 15 lb felt
   Shingle Color: Pewter Gray
   Shingle Location: House only

Delivery of all materials to the job site is included in pre-purchase. Contractor is responsible for contacting specified vendor to arrange for and take delivery. See attached invoices for specifics and vendor contact information.

** ACKNOWLEDGEMENT **

Order #: S1276823
P/O # : 771 E GERANIUM AVE
Printed: 09:58:36 26 JAN 2012
Page # : 1 of 2
Order Phone: 651-266-6581
Cust. Phone: 651-266-6581

Sold To:
CITY OF ST. PAUL
DEPT PLANNING ECONOMIC / HRA
25 WEST 4TH STREET, SUITE 1100
SAINT PAUL, MN 55102
** C.O.D. ** C.O.D. ** C.O.D. **

Ship To:
CITY OF ST. PAUL
DEPT PLANNING ECONOMIC / HRA
771 E GERANIUM AVE
SAINT PAUL, MN 55106

Ordered by	Order Date	Ship Date	Ship Via	Warehouse
PER RAGNELLO	01/24/12	12/01/12	OT DELIVERY	Shp 1 Prc 1

Writer	Salesperson	Release #	Freight Allowed
Edmund Rustin	Ross Agnello	771 E GERANIUM AVE	No

Ordered	Product Description	Net Prc	Ext Prc
	********* Shipping Instructions ***		
	* **TBD**		
	**********		
1ea	FFHT2126LS FRIGIDAIRE 21CF TOP MOUNT REFRIGERATOR; ESTAR; (STAINLESS) RIGHT HAND HINGE		
	Serial#_____		
	>>CONFIRM DOOR HINGE<<		
1ea	IM115 FRIGIDAIRE ICE MAKER*		
1ea	SVC- INSTALL ICE MAKER KIT PRIOR TO DELIVERY:		
1ea	FFGF3053LS FRIGIDAIRE 30" GAS RANGE; (STAINLESS)*		
	SPECIAL ORDER ITEM - NO RETURNS		
	Serial#_____		
1ea	FFMV162LS FRIGIDAIRE OTR MICROWAVE; (STAINLESS)*		
	Serial#_____		
1ea	FGHD2433KF FRIGIDAIRE GALLERY BUILT IN DISHWASHER; ESTAR; (STAINLESS)*		
	SPECIAL ORDER ITEM - NO RETURNS		
	Serial#_____		
1ea	MIEDWC6 6' DISHWASHER/DISPOSAL CORD STRAIGHT CAP;		
1ea	SVC- INSTALL POWER CORD PRIOR TO DELIVERY:		
1ea	FAFW3801LW FRIGIDAIRE 3.8CF AFFINITY FRONT LOAD WASHER; (WHITE)		
	SPECIAL ORDER ITEM - NO RETURNS		
	Serial#_____		

*** Continued on Next Page ***

** ACKNOWLEDGEMENT **

Order #: S1276823
P/O # : 771 E GERANIUM AVE
Printed: 09:58:36 26 JAN 2012
Page # : 2 of 2
Order Phone: 651-266-6581
Cust. Phone: 651-266-6581

Sold To:
CITY OF ST. PAUL
DEPT PLANNING ECONOMIC / HRA
25 WEST 4TH STREET, SUITE 1100
SAINT PAUL, MN 55102
** C.O.D. ** C.O.D. ** C.O.D. **

Ship To:
CITY OF ST. PAUL
DEPT PLANNING ECONOMIC / HRA
771 E GERANIUM AVE
SAINT PAUL, MN 55106

Ordered by	Order Date	Ship Date	Ship Via	Warehouse
PER RAGNELLO	01/24/12	12/01/12	OT DELIVERY	Shp 1 Prc 1

Writer	Salesperson	Release #	Freight Allowed
Edmund Rustin	Ross Agnello	771 E GERANIUM AVE	No

Ordered	Product Description
1ea	FAQG7001LW FRIGIDAIRE AFFINITY FRONT LOAD GAS DRYER; (WHITE) *SPECIAL ORDER ITEM - NO RETURNS* Serial#_____
4ea	SVC- UNCRATE AND SET: (free standing product only / built-ins left in carton)
2ea	SVC- DROP DELIVERY: (no uncrate and set - drop only)
1ea	SVC- INSTALL ANTI-TIPS:
1ea	LABOR CHARGE / TAXABLE
-1ea	DISCOUNT:

SUBTOTAL
SALES TAX

Total Amount

.. Reprint .. Reprint .. Reprint .. Reprint ..

Yard Delivery Order

Lumber • Building Materials
Lamperts

9220 Hudson Blvd.
Lake Elmo MN 55042
Phone: 651-739-5400 Fax: 651-739-0267

KEEP RECEIPTS FOR
RETURNS/EXCHANGES

Invoice #:
Invoice Date: 01/26/2012

Customer Master Account #: 5154158
Customer Job Account #: 5154160

Sold To: CITY OF ST PAUL
PLANNING & ECON DEVELOP

St Paul, MN 55102

Ship To: CITY OF ST PAUL
771 GERANIUM AVE.
ROOFING
St Paul, MN 55102

Store No	Order Ref	Order Date	Customer PO	Sales Rep	Payment Terms	Invoice Type
11	11257846			207	STATEMENT DATE	YARD/DEL ORDER

Item No	Qty Ordered	Qty Shipped	B/O	U/M	Description	Unit Price	Total
					771 GERANIUM AVE.		
					ROOFING FOR HOUSE ONLY.		
07440060	60	60		BDL	GAF TIMBERLN HI-DF PEWTER GRAY (20 SQR HOUSE TOTAL)		
07410060	8	8		BDL	GAF/ELK TIMBERTEX 20' PEWTER GRY		
07110250	7	7		EACH	GENERIC ICE&WATER GRAN 2SQ 3'X66		
07100040	7	7		ROLL	FELT NO.15-36IN ASPHALT 4SQ		
					Total Ship Units: 5764.000 LB		

Order

Filled By	Checked By	Shipped By	
			Ship Via:

AUTH:

OT: ALEX BOETTCHER

Customer Signature: _____

Date: ____ / ____ / ____

11257846

CUSTOMER COPY

Color and Material Schedule

Project Address: 635 Edmund Avenue Saint Paul

Contractor:

	Location	Description	Manufacturer	Finish	Color	Notes
Lighting	Hall, Closet (4)	2-Light Flush Mount	Twin Pack, 15"		Nickel, satin	at Menards
	Bathroom (2)	3-Light Vanity	Royce Lighting, Carleton, RV5209ES3		Pewter	at Menards
	Entry Hall, Dining Room (2)	3 Light Chandelier	Royce Lighting, Carleton, RC5209ES3		Pewter	at Menards
	Kitchen (2)	Recessed Can above sink	Air Tight fixture with CFL		White	at Menards
	Kitchen (2)	3-Light Flush Mount	Royce Lighting, Carleton, RFM5209ES		Pewter	at Menards
	Kitchen (2)	Mini Pendant	Royce Lighting, Carleton, RMP5209ES1		Pewter	at Menards
	Garage	Motion Security Light	DualBrite 300 watt		White	at Menards
	Front Entry Porch	Two Flush Mount	Mission, Patriot Lighting #of2739cu		Bronze	at Menards
	Outlet and Switchplate Covers					
Plumbing Fixtures	Kitchen	Kitchen Faucet	Moen, Model: 7825		Chrome	at Menards
	Kitchen	Kitchen Sink	Moen, 33"X22"X8" Model 2212		Stainless	at Menards
	Bathroom, Toilet Room (2)	Bathroom Faucet	Moen, High Arc CA84003CBN		Nickel	at Menards
	Bathroom, Toilet Room (2)	Recessed Oval Bowl Vanity Top	Imperial Marble, RCxx22SPW		White	at Menards
	Bathroom, Toilet Room (2)	Toilet	Mansfield, ProFit 3, Elongated Front, ADA		White	at Menards
	Bathroom	Shower/Tub	Existing			
	Bathroom	Shower Faucet	Moen, 82008BRB		Nickel	at Menards
Casework and Furnishings	Kitchen	Kitchen Cabinets	Schock, Pleasant Hill, full overlay flat door and drawer	See Plan	Natural	Maple cabinet
	Kitchen	Kitchen Cabinet Hardware	Schrock Hardware, Model Pull H63 for drawers and doors		Brushed Nickel	at Menards or Home Depot
	Kitchen	Kitchen Counter Top	WilsonArt, Canyon Black #1755-1		Black Canyon	at Menards
	Bathroom, Toilet Room (2)	Bathroom Vanity	Pace, Meadowood Maple		Natural	at Menards
	Bathroom, Toilet Room (2)	Medicine Cabinet	Pace, Model: SMC-2530		Meadowod Maple	at Menards
	Bathroom, Toilet Room (2)	Vanity Hardware	Schrock Hardware, Model Pull H63 for drawers and doors		Brushed Nickel	at Menards or Home Depot
	Bathroom	Toilet Topper	Pace, Model: MOJ-2430-MDW		Meadowood Maple	at Menards
	Bathroom	Towel Bar (2 Total)	Moen, Model # DN6818xx		Brushed Nickel	at Menards
	Bathroom	Toilet Paper Holder	Moen, Model # DN6808xx		Brushed Nickel	at Menards
	Bathroom, Toilet Room (2)	Hand Towel Ring	Moen, Model # DN6886xx		Brushed Nickel	at Menards
	Bathroom	Curved Shower Rod	Moen, Model # DN2160xx		Brushed Nickel	at Menards
Coatings	Walls Throughout (except bathroom and kitchen)	Wall Paint	Sherwin Williams No VOC, SW 6154	flat	Nacre	Knock Down Finish
	Walls Kitchen & Bathroom	Wall Paint	Sherwin Williams No VOC, SW 6154	eggshell	Nacre	
	Walls South Bedroom	Wall Paint	Sherwin Williams No VOC, SW 7036	eggshell	Accessible Beige	
	Ceiling Throughout (except kitchen and bathroom)	Ceiling Paint	Sherwin Williams, Ceiling White, No VOC	flat	ceiling white	Knock Down Finish
	Ceiling Kitchen and Bath	Ceiling Paint	Sherwin Williams No VOC	eggshell	ceiling white	
	Trim Throughout	Trim	Minwax Low VOC stain	match exist	match existing	
	Basement stairs		Paint to match concrete floor grey.			

Flooring	Living, Enrty, Dining. Beerooms, Hall (Kitchen - Alternate #1)	Refinished Wood				
	Closets	Carpet	Shaw Anso Yarn Texture Serenity Garden: Tufted, nylon.			
	Bathroom, Kitchen, Toilet Room - Floor	Ceramic Tile	American Olean Midwest, Shadow Bay		Beach Sand SH51	at American Olean
	Bathroom - Walls	Ceramic Tile	American Olean Midwest			at American Olean
Appliances	Kitchen	Range	FFGF3053LS Frigidaire 30" Free-standing,Self Clean, Clock		black or stainless	
	Kitchen	Microhood	FFMV162LS Over the Range Micro/Hood, to be vented to exterior		black or stainless	
	Kitchen	Refrigerator	FFHT2126LS/K Energy Star Rated 21 cu ft top mounted, with icemaker		black or stainless	
	Kitchen	Dishwasher	FGHD2433KF Energy Star 24" Built-in Dishwasher, including dishwasher cord.		black or stainless	
	Laundry	Washer	FAFW3801LW Energy Star Residential Front Load Washer		white	
	Laundry	Dryer	FAQG7001LW Residential Gas Dryer		white	
Doors	Front Entry Porch & Deck (2)	Storm Door	Larson		white	at Menards
	Front Entry & Deck (2)	Entry Doors with Sidelites	Mastercraft E-1 w/1 or 2 sidelites. See drawings for configuration.		white	at Menards
	Garage	Steel Entry Door	Mastercraft E-1 Prehung, Six Panel, Steel, Insulated		white	at Menards
	Overhead Door	Aluminum	MDP38, Raised Panel, Insulated, 7'x16'		white	at Menards
	Interior doors-Second Floor	Bedrooms, Bathroom and Closets	Mastercraft, six panel, maple. See plan for size.			at Menards
	Interior doors-First Floor	Stair, Cloest and Toilet Room	Mastercraft, six panel, maple. See plan for size.			at Menards
	Exterior Door Hardware	Exterior Doors	Schlage Avanti, Model 221-409x			
	Interior Door Hardware	Interior Doors	Schlage Avanti, Model 221-389x			
	Windows	Vinyl, Thermal Pane, LoE	Great Lakes Uniframe		white	
Exterior Finishes						
	Roof -House & Garage	Asphalt shingles	GAF Elk 30 year HD shingle		Weathered Wood	
	Wood shingle siding & trim	Paint	Sherwin Williams			
	Door and Window Trim	White - Prefinish Aluminum				
	Soffit/Fascia	White - Prefinish Aluminum				
	Deck/Porch	Stain color	Minwax Low VOC stain		Charcoal Grey	
	Gutters/Downspouts	White - Prefinish Aluminum	Edco			at United Products